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TRANSONIC LATERAL AND LONGITUDINAL CONTROL CHARACTERISTICS  
OF AN F-8 AIRPLANE MODEL EQUIPPED WITH AN OBLIQUE WING

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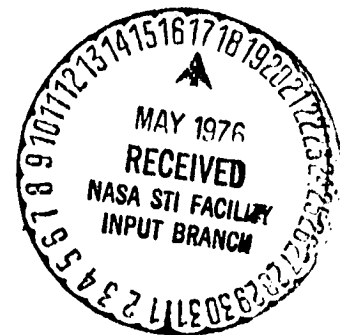
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TRANSONIC LATERAL AND LONGITUDINAL CONTROL CHARACTERISTICS  
OF AN F-8 AIRPLANE MODEL EQUIPPED WITH AN OBLIQUE WING

Ronald C. Smith, Robert T. Jones, and James L. Summers

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SUMMARY

An experimental investigation was conducted in the Ames 11-Foot Transonic Wind Tunnel to study the aerodynamic control and stability characteristics of a 0.087-scale model of an operational F-8 airplane fitted with an oblique wing. An elliptical planform (axis ratio = 8:1) wing with a maximum thickness of 12 percent was tested. All other external geometric features of the model were scaled to the basic full-size airplane with the engine inlet faired closed.

Aileron control power and other forces and moments induced by aileron deflection were obtained for the wing set at sweep angles of 0°, 45°, and 60°. Additional tests were made to obtain the forces and moments induced by deflection of the horizontal tail. Test Mach numbers ranged from 0.6 to 1.4 at a Reynolds number of  $20 \times 10^6/\text{m}$  for all Mach numbers except 1.4 which was run at  $15 \times 10^6/\text{m}$ . Angles of attack ranged from -6° to +16° at zero sideslip.

The model was found to have adequate and predictable aileron roll power for the range of wing sweeps tested. Significant pitching moment and very little yawing moment was induced by aileron deflection. Longitudinal control power was found to be more than adequate for the test configuration.

INTRODUCTION

An experimental investigation was conducted in the Ames 11-Foot Transonic Wind Tunnel as part of a continuing study of the aerodynamic performance and stability characteristics of a 0.087-scale model of an operational F-8 airplane fitted with an oblique wing. In previous investigations (ref. 1), this model was tested with a 10:1 (span-to-chord ratio) and 8:1 elliptic wings with 10- and 12-percent maximum thickness, respectively. Because the 8:1, 12-percent wing had essentially the same maximum trimmed lift-drag ratio as the 10:1, 10-percent wing, it was selected for the present control power investigation.

The present investigation was motivated by questions regarding the available aileron control power of oblique wing aircraft with the wing



yawed at large angles ( $50^\circ$ - $60^\circ$ ). Free-flight handling tests on oblique wing models are reported in reference 2, where it is noted that a considerable reduction in roll control was experienced for wing yaw angles greater than  $45^\circ$ . These tests were conducted at low speed and low Reynolds numbers and, therefore, are not necessarily representative of flight-scale characteristics. The present tests were made to obtain oblique-wing control power data and other control-induced forces and moments for a more representative range of Mach and Reynolds numbers. The wing center-section airfoil was the NACA 3612-02,40. All other external geometric features of the model were scaled to the operational airplane except the engine inlet, which was closed with a smooth fairing beginning ahead of the original nose station.

The tests reported herein were made over the Mach number range 0.6 to 1.4 in the unit Reynolds number range of  $14.8$  to  $19.7 \times 10^6/\text{m}$ . Six-component force and moment measurements were made on the model in pitch at zero sideslip for various aileron and horizontal tail deflections with the wing yawed  $0^\circ$ ,  $45^\circ$ , and  $60^\circ$ . Additional measurements were made on the model in sideslip for two angles of attack typical of cruise flight. These data are not included in this report.

A complete set of the zero sideslip results are provided herein with essentially no analysis.

## NOMENCLATURE

The axis systems and sign conventions are shown in figure 1. Lift, drag, and pitching moment are presented in the stability-axis coordinate system, and all other forces and moments are presented in the body-axis coordinate system. Because the data were computer-plotted, the corresponding plot symbol (where used) is given together with the conventional symbol.

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
b		wing span
$C_D$	CD	drag coefficient, $\text{drag}/qS$
$C_L$	CL	lift coefficient, $\text{lift}/qS$
$C_{\ell}$	CBL	rolling-moment coefficient, $\text{rolling moment}/qSb$
$C_m$	CLM	pitching-moment coefficient, $\text{pitching moment}/qS\bar{c}_{\text{root}}$
$C_n$	CYN	yawing-moment coefficient, $\text{yawing moment}/qSb$

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_Y$	CY	side-force coefficient, side force/qS
$c$		wing chord
$c_{\text{root}}$		wing-root chord
H		vertical distance from wing reference plane to wing base line at 0.4c
(L/D)	L/D	lift-drag ratio
M	MACH	free-stream Mach number
q		free-stream dynamic pressure
S		wing area
t		wing thickness
x		Cartesian coordinate
Y-Lo		maximum distance from wing base line to wing lower surface measured perpendicular to the wing baseline
Y-Up		maximum distance from wing baseline to wing upper surface measured perpendicular to the wing baseline
Z-Lo		vertical distance from wing chord to wing lower surface
Z-Up		vertical distance from wing chord to wing upper surface
z		Cartesian coordinate
$\alpha$	ALPHA	angle of attack
$\beta$	BETA	angle of sideslip
$\Delta C_{\ell}$	DCBL	incremental rolling moment coefficient
$\Delta C_m$	DCLM	incremental pitching moment coefficient
$\delta a_{\ell}$	AIL-L	left aileron deflection angle-positive T.E. down, degrees

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$\delta_{a_r}$	AIL-R	right aileron deflection angle-positive T.E. down, degrees
$\delta_t$	HORIZT	horizontal tail deflection angle relative to the fuselage centerline-positive T.E. down, degrees
$\Lambda$	LAMBDA	wing skew angle measured between a perpendicular to the body longitudinal axis and the 0.25 chord line of the wing in a horizontal plane

#### Subscript

max                      maximum value

#### TEST FACILITY

The tests were conducted in the Ames 11-Foot Transonic Wind Tunnel, which is a variable-density, closed-return, continuous-flow facility. This tunnel has an adjustable nozzle (two flexible walls) and a slotted test section to permit transonic testing over a Mach number range continuously variable from 0.6 to 1.4.

#### MODEL DESCRIPTION

The model consisted of an elliptical planform wing mounted on top of the fuselage of a 0.087-scale model of an operational F-8 fighter airplane as shown in figure 2. Pertinent dimensions of the wing are shown in tables 1, 2 and in figure 2. A photograph of the model mounted in the wind tunnel is shown in figure 2(f). The wing was pivoted in the horizontal plane about the 0.4 root-chord point to obtain sweep angles of 0°, 45°, and 60°. The wing had an elliptical planform with an elliptic axis ratio of 8:1 (unswept aspect ratio of 10.2) and a straight 25-percent chord line. The wing had the airfoil section NACA 3612-02,40 at the center, perpendicular to the 25-percent chord line. The maximum thickness varied along the span as shown in figure 2(e). The wing trailing edge region was cut out for ailerons which extended from 52 to 89 percent of the wing semispan (see fig. 2(c)). The ailerons were sealed-gap, plain flaps hinged at approximately the 75-percent chord line. The horizontal and vertical tail surfaces had NACA 65A006 airfoil sections and swept quarter-chord lines. The horizontal tail was all-movable and was set at various angles relative to the body centerline. All external geometric features of the model, other than the wing, were 0.087-scale of the full-size operational

fighter airplane, except that the engine inlet was faired closed as shown in figure 2(a). Model body contours are shown in figure 2(b).

## TESTING AND PROCEDURE

The model was sting-supported through the base of the model body shown in figure 2(a), and force and moment data were obtained from an internally-mounted six-component strain-gage balance. The moment center was located longitudinally at the wing-pivot point (0.4croot) and 0.442 cm above the model centerline (fig. 2(a)). Tests were conducted at total pressures giving unit Reynolds numbers of  $19.7 \times 10^6/\text{m}$  for Mach numbers of 0.6 to 1.2 and  $14.8 \times 10^5/\text{m}$  for Mach number 1.4. Angle of attack ranged from  $-6^\circ$  to  $16^\circ$  at zero sideslip. Aileron control power tests were made with the right and left ailerons set separately at nominal angles of  $0, \pm 2.5^\circ, \pm 5^\circ, \pm 10^\circ$ , and  $\pm 15^\circ$ . Elevator control power tests were made with the horizontal tail set at  $-5^\circ, 0^\circ$ , and  $2.5^\circ$  with ailerons undeflected. Pitch and yaw polar runs were made to obtain data in the appropriate range of Mach numbers for each wing sweep angle ( $\Lambda = 0^\circ, 45^\circ$ , and  $60^\circ$ ). The wing was yawed left panel forward. Table 3 summarizes all the model attitudes, control angles, and tunnel conditions reported herein.

## RESULTS AND DISCUSSION

### Aileron Tests

Aileron control power - Results of the aileron control power tests are summarized in figure 3. In this plot, the incremental rolling moment due to ailerons deflected  $10^\circ$  differentially are presented versus Mach number for the three wing sweeps tested. At zero sweep, the control power indicated by these increments is constant with Mach number up to drag rise ( $M \approx 0.7$ ), beyond which, shock-induced effects seriously degrade the control power. When the wing is yawed  $45^\circ$ , the roll increments are not symmetrical for right and left roll, the right roll increments (leading wing up) being somewhat larger than the left roll increments. The magnitude of the roll power decreases with increased sweep, which is expected. Simple sweep theory predicts a reduction by  $\cos^3 \Lambda$  and these data follow this trend reasonably well. It is noted that the resisting rolling moment due to rolling motion also goes down by  $\cos^3 \Lambda$ , so that the steady roll rate attainable should be unchanged by changes in the wing sweep.

Basic data - Figure 4 gives the effects of left and right aileron deflection on all the static aerodynamic forces and moments. Because of symmetry, zero-sweep results were obtained for left aileron deflection only. The data for  $45^\circ$  and  $60^\circ$  sweep are arranged with each force or moment plot for left aileron deflections on the left-hand page and the

corresponding data plot for right aileron deflections on the right-hand page. To facilitate combining increments for differential right and left aileron deflections, the plot symbols have been chosen so that each curve for right aileron deflections has the same symbol as the left aileron curve for the corresponding equal and opposite deflection.

Longitudinal stability - The basic data (fig. 4) show that deflection of the ailerons caused substantial shifts in the pitching moment curves but left the slopes unchanged. The static stability is, therefore, unaffected by aileron deflection. At  $M = 0.95$  and  $45^\circ$  sweep, the shift in pitching moment coefficient is 0.14 for  $\pm 5^\circ$  right-roll aileron deflection. This would require  $2^\circ$  tail deflection to maintain longitudinal trim. This effect is not present for symmetrical configurations and is expected to produce transient pitch perturbations during roll accelerations. During steady rolling motion, however, the pitch perturbation will disappear because the span loading is balanced about the x axis. The airplane response to the transient pitch perturbation will, of course, depend on the relative magnitudes of the airplane inertia's about the x and y axes. This effect was not large enough to be noticeable in flights of radio-controlled, oblique-wing model aircraft.

Yawing moments - Data in figure 4 show that the yawing moments produced by aileron deflection are small and generally favorable. Very small amounts of adverse yaw occur at Mach numbers of 0.95 and above for  $45^\circ$  sweep. The adverse yaw is at most 0.00004/deg aileron which is not significant when compared to the magnitude of  $C_{n\beta}$  which is about 0.002/deg sideslip.

#### Horizontal Tail Tests

Longitudinal stability tests were made for three horizontal tail settings,  $-5^\circ$ ,  $0^\circ$ , and  $+2.50^\circ$ . Data from these tests are presented in figures 5 and 6 for three wing sweeps. Figure 5 gives the increments in pitching moment coefficient for  $-5^\circ$  of tail deflection for  $C_L = 0.3$ . These increments are very large, more than twice that needed to stall the model. The moment center used gives the model a minimum static margin of 16 percent. The horizontal tail is therefore much larger than necessary for the configuration represented here. The large tail deflections tested also produced significant changes in side force and yawing moment. The origin of these induced forces is not known and studying them will require more extensive model breakdown tests or airloads tests. Curiously, the accompanying induced rolling moment is very small.

#### CONCLUDING REMARKS

Results of aileron and horizontal tail control power tests of an F-8 model equipped with an 8:1 elliptical oblique-wing indicate no apparent

or unpredictable control power deficiencies. Deflection of the ailerons induced significant pitching moments with the wing swept. Because this pitching moment arises from the unbalanced loading about the x axis, it is expected to disappear whenever the spanloading is once again balanced in steady roll motion. Large deflections of the horizontal tail induced some side force and yawing moment, the origin of which is not known.

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National Aeronautics and Space Administration  
Moffett Field, California 94035

February 20, 1976

#### REFERENCES

1. Smith, Ronald C.; Jones, Robert T.; and Summers, James L.: Transonic Wind Tunnel Tests of an F-8 Airplane Model Equipped With 12- and 14-Percent-Thick Oblique Wings. NASA TM X-62,478, October 1975.
2. Campbell, J. P., and Drake, H. M.: Investigation of Stability and Control Characteristics of an Airplane Model With a Skewed Wing in The Langley Free Flight Tunnel. Technical Note 1208, U. S. National Advisory Committee for Aeronautics, 1947.

TABLE 1. - MODEL GEOMETRY

Wing

Planform	8:1 ellipse about c/4	
Span (reference)		136.30 cm
Area (reference)		1823.87 cm <sup>2</sup>
Root chord		17.04 cm
Aspect ratio		10.2
Maximum t/c		0.12
Incidence		0°
0.25c sweep		0°
Section		NACA 3612-02,40
Maximum thickness location		0.40c
Leading-edge nose radius		0.0288c

Horizontal tail

Planform	trapezoidal
Span	48.16 cm
Area	658.83 cm <sup>2</sup>
Root chord	23.80 cm
Tip chord	3.56 cm
Aspect ratio	3.52
Maximum t/c	0.06
Incidence	variable
0.25c sweep	45°
Section	NACA 65A006

Vertical tail

Planform	trapezoidal
Span	31.93 cm
Area	697.42 cm <sup>2</sup>
Root chord	34.80 cm
Tip chord	8.90 cm
Aspect ratio	1.46
Maximum t/c	0.06
0.25c sweep	52.5°
Section	NACA 65A006

TABLE 2. - WING DIMENSIONAL DATA<sup>a</sup>

Semi-Span	Chord	Z-Up	Z-Lo	H
0	17.038	1.491	0.650	0
2.54	17.028	1.488	.650	0.0025
5.08	16.992	1.483	.647	.013
7.62	16.931	1.476	.643	.025
10.16	16.848	1.465	.635	.048
12.70	16.741	1.450	.625	.076
15.24	16.606	1.430	.614	.109
17.78	16.449	1.409	.602	.152
20.32	16.264	1.384	.587	.200
22.86	16.053	1.356	.569	.259
25.40	15.811	1.323	.551	.322
27.109	15.634	1.300	.538	.368
28.877	15.433	1.272	.523	.421
30.503	15.237	1.247	.508	.475
32.009	15.042	1.222	.493	.523
33.409	14.851	1.199	.480	.574
34.722	14.661	1.176	.467	.622
35.954	14.475	1.150	.455	.670
37.114	14.290	1.127	.442	.716
38.214	14.109	1.107	.429	.762
39.253	13.929	1.084	.416	.805
40.244	13.751	1.064	.406	.848
41.183	13.576	1.041	.394	.891
42.080	13.403	1.021	.383	.932
42.936	13.233	1.003	.373	.972
43.754	13.063	0.983	.363	1.013
44.539	12.898	.962	.353	1.051
45.288	12.733	.945	.343	1.089
46.007	12.570	.927	.335	1.125
47.722	12.164	.881	.312	1.214
48.979	11.849	.848	.295	1.282
50.142	11.542	.815	.279	1.349
51.222	11.239	.785	.264	1.409
52.222	10.947	.754	.249	1.468
53.157	10.663	.726	.236	1.524
54.028	10.386	.698	.223	1.577
54.841	10.117	.673	.213	1.626
55.600	9.852	.647	.200	1.674
56.314	9.596	.625	.190	1.719
56.982	9.347	.602	.180	1.760
57.609	9.106	.579	.170	1.800
58.196	8.867	.559	.162	1.841
58.748	8.638	.538	.155	1.877

<sup>a</sup> All dimensions are centimeters



TABLE 2. - Concluded.<sup>a</sup>

Semi-Span	Chord	Z-Up	Z-Lo	II
59.268	8.412	0.518	0.145	1.910
59.756	8.194	.500	.139	1.943
60.216	7.980	.582	.132	1.976
60.647	7.775	.467	.124	2.004
61.056	7.572	.449	.119	2.032
61.440	7.376	.434	.114	2.060
61.803	7.183	.419	.109	2.083
62.143	6.998	.406	.102	2.108
62.466	6.815	.391	.099	2.131
62.771	6.637	.378	.094	2.151
63.058	6.464	.366	.089	2.171
63.329	6.297	.353	.084	2.192
63.586	6.134	.343	.081	2.209
64.196	5.722	.315	.071	2.253
64.625	5.413	.292	.063	2.283
65.009	5.118	.274	.058	2.311
65.346	4.841	.256	.053	2.337
65.649	4.577	.239	.048	2.359
65.918	4.331	.223	.046	2.379
66.157	4.094	.211	.041	2.397
66.373	3.873	.198	.038	2.413
66.563	3.662	.185	.035	2.425
66.733	3.464	.173	.033	2.438
66.883	3.276	.162	.030	2.451
67.139	2.931	.145	.025	2.468
67.394	2.542	.124	.020	2.489
67.648	2.077	.099	.017	2.507
67.902	1.470	.071	.010	2.527
68.156	0	0	0	2.548

<sup>a</sup> All dimensions are centimeters

TABLE 3. - TEST CONDITIONS

MACH → No. ↓ i (deg)	REYNOLDS NUMBERS										SCHEDULES			
	0.60	0.70	0.80	0.95	0.98	1.05	1.10	1.20	1.30	1.40	$\delta_{a_e}$ (deg)	$\delta_{a_r}$ (deg)	$\delta_t$ (deg)	$\alpha$ (deg)
0	19.7	19.7	19.7								-14→+14	0	0	-6→+16
45		19.7	19.7	19.7	19.7	19.7					-14→+14	0	0	-6→+14
45		19.7	19.7	19.7	19.7	19.7					0	-14→+14	0	-6→+14
60			19.7	19.7	19.7	19.7	19.7	19.7	19.7	14.8	-14→+14	0	0	-6→+16
60			19.7	19.7	19.7	19.7	19.7	19.7	19.7	14.8	0	-14→+14	0	-6→+16
0	19.7	19.7	19.7								0	0	-5,+2.5	-6→+16
45		19.7	19.7	19.7	19.7	19.7					0	0	-5,+2.5	-6→+12
60			19.7	19.7	19.7	19.7	19.7	19.7	19.7	14.8	0	0	-5,+2.5	-6→+14

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TABLE 4. - INDEX OF DATA FIGURES

Figure	Title	Page
3	Incremental rolling moment from 10 degrees left and right aileron for $C_L = 0.3$	1
4	Aerodynamic characteristics in pitch, effect of aileron deflection	
	Sweep = $0^\circ$	2
	$45^\circ$	20
	$60^\circ$	80
5	Incremental pitching moment from -5 degrees horizontal tail deflection for $C_L = 0.3$	176
6	Aerodynamic characteristics in pitch, effect of horizontal tail deflection	
	Sweep = $0^\circ$	177
	$45^\circ$	195
	$60^\circ$	225

Note: Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows.

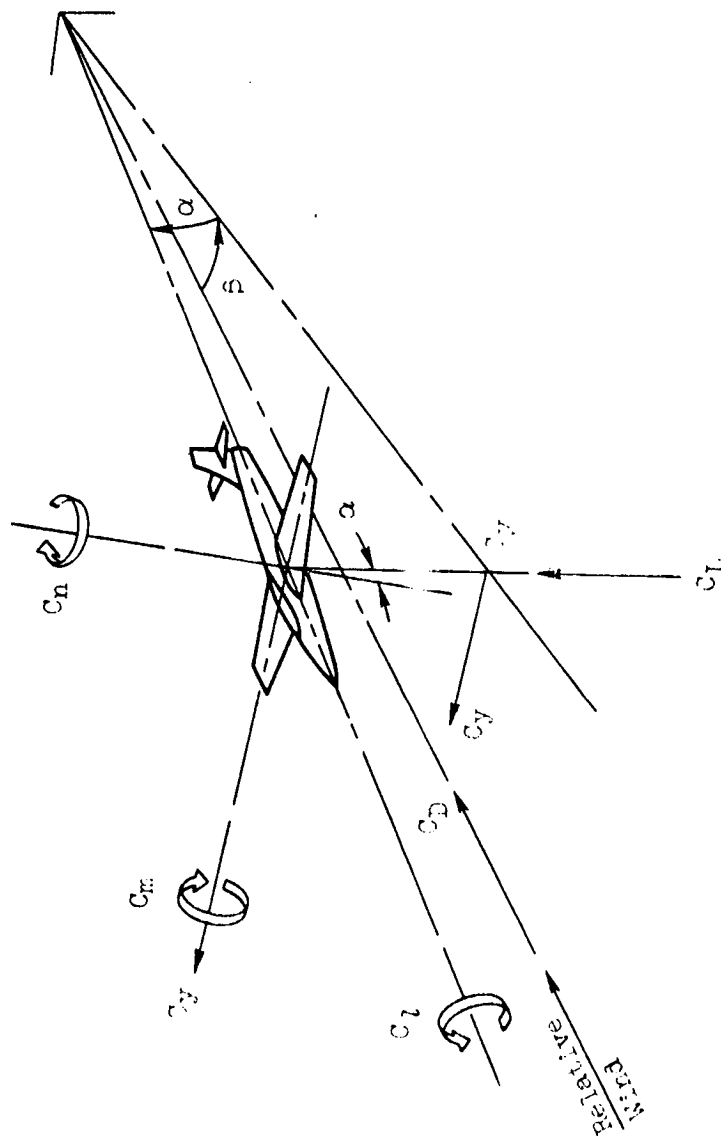


Figure 1. - Axis systems, showing direction and sense of force and moment coefficients, angle of attack, and sideslip angle.

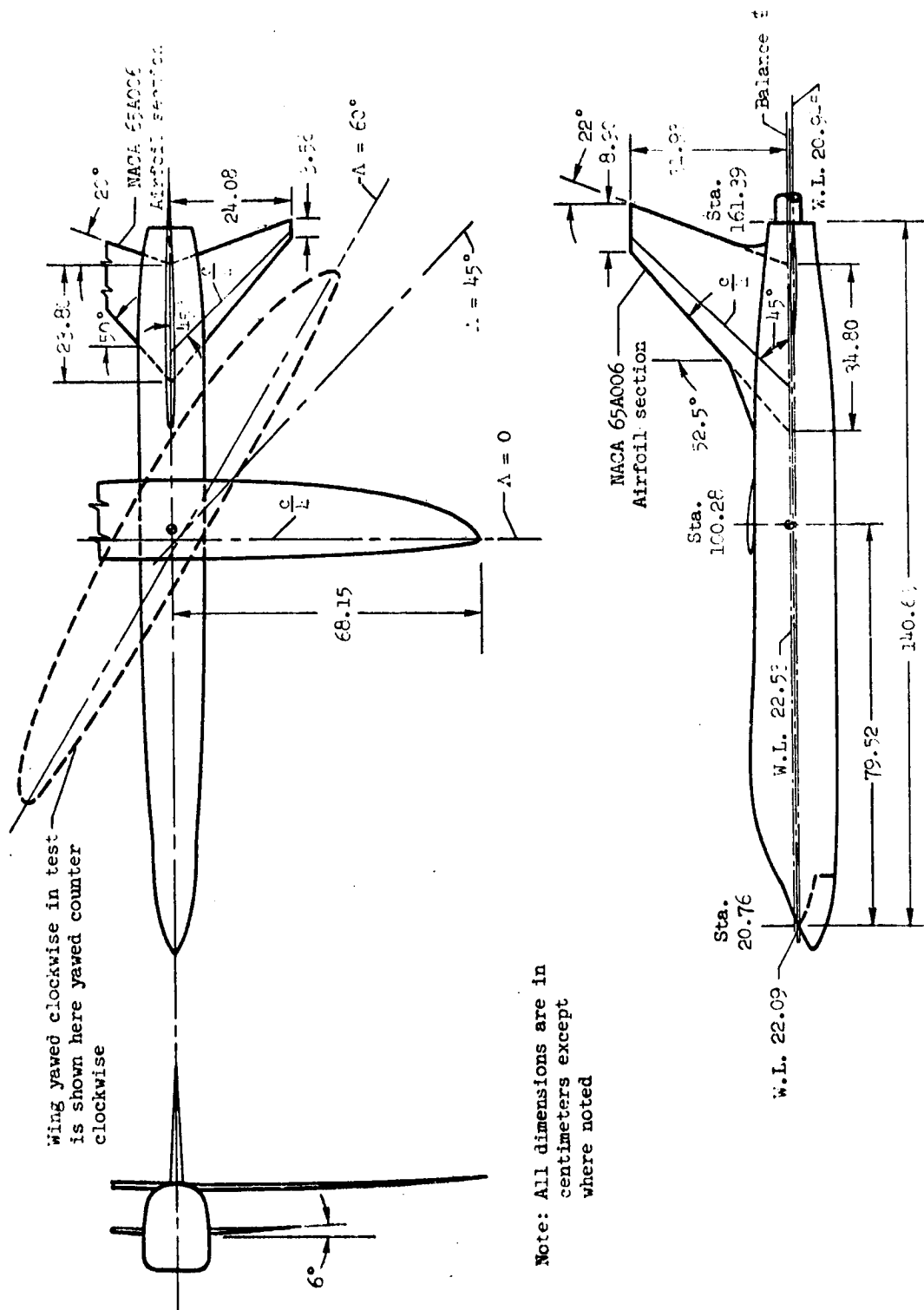
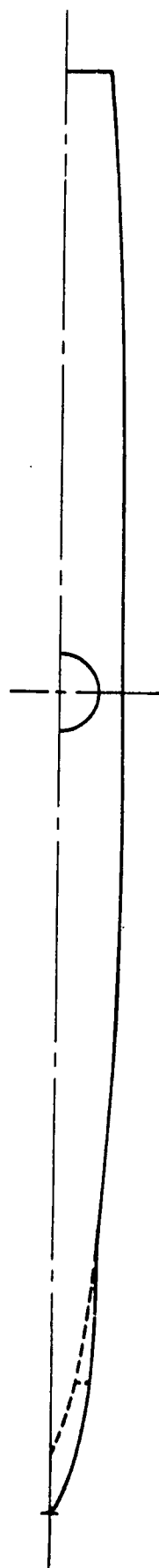
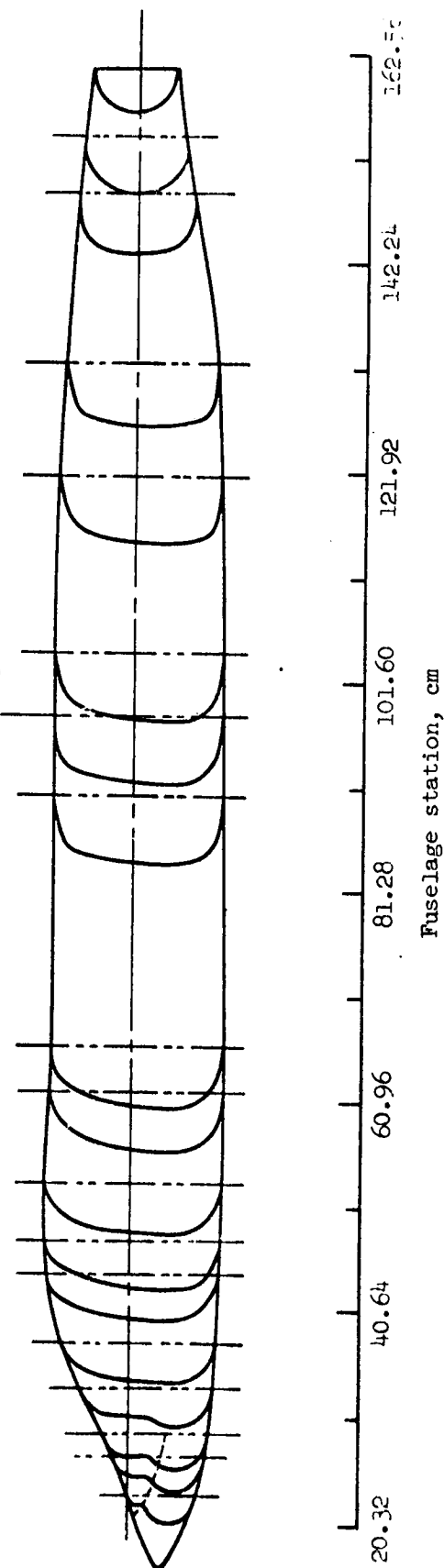


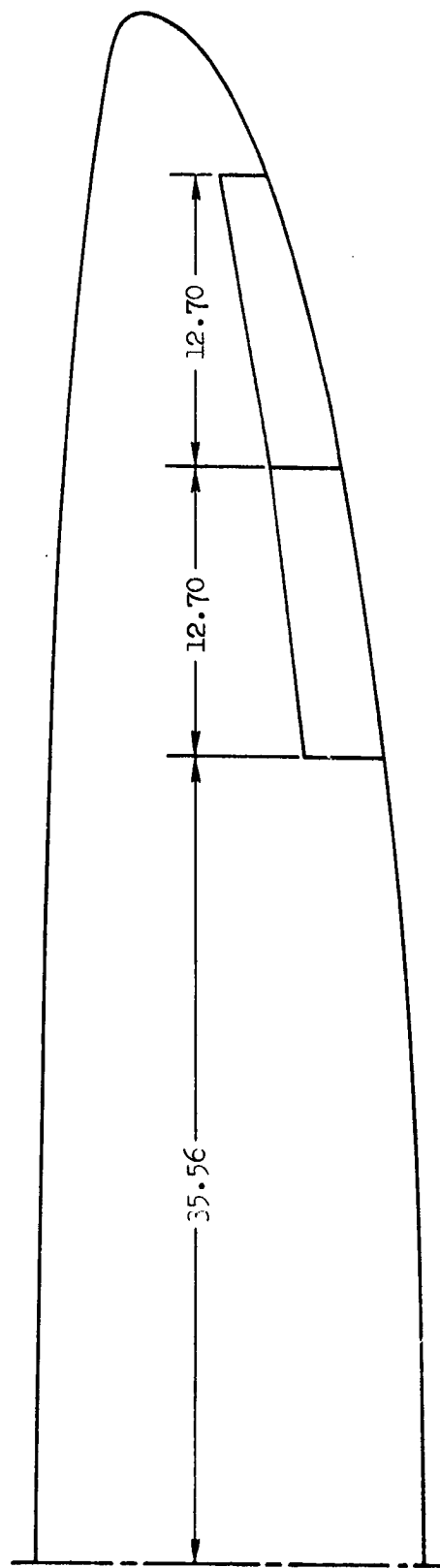
Figure 2. - Oblique-wing F-8 model details and photograph.



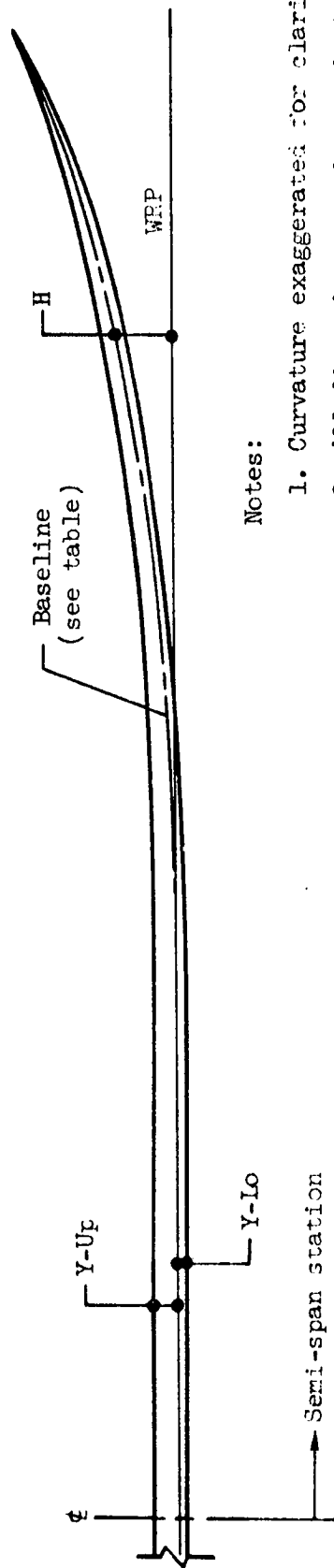
Wing mounting hub



(b) Fuselage contours  
Figure 2. - Continued.



16

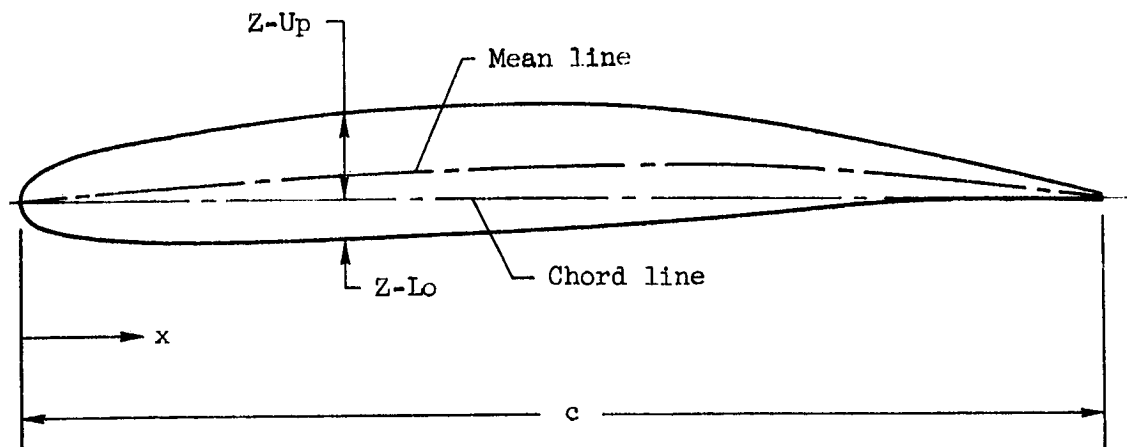


Notes:

1. Curvature exaggerated for clarity
2. All dimensions are in centimeters

(c) Wing curvature and aileron geometry

Figure 2. - Continued.



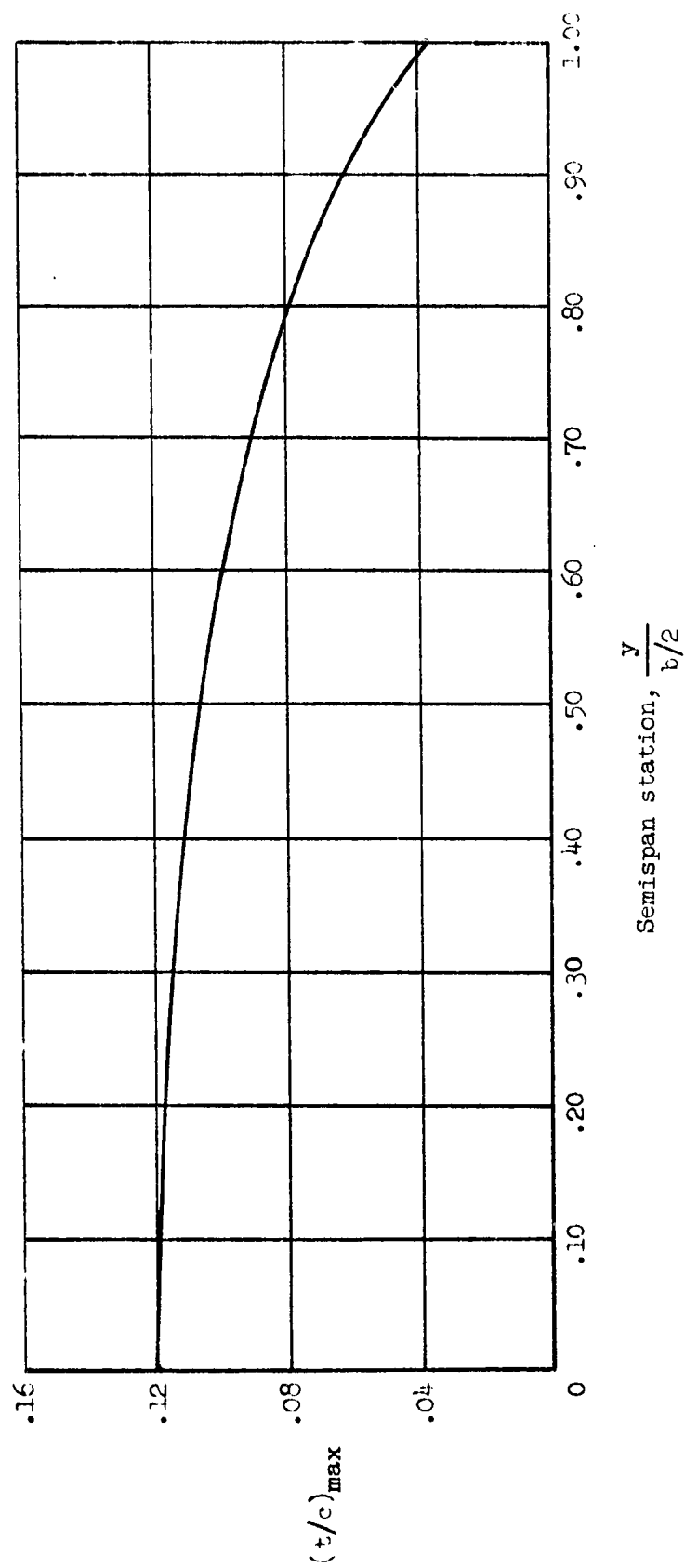
$x/c$	$t/c$	$\frac{\text{Camber}}{c}$	$\frac{Z\text{-Up}}{c}$	$\frac{Z\text{-Lo}}{c}$
0.001	0.01444	0.00008	0.00730	-0.00714
.010	.04072	.00078	.02114	-.01958
.025	.05819	.00195	.03104	-.02715
.050	.07343	.00389	.04060	-.03282
.075	.08269	.00582	.04716	-.03553
.100	.08934	.00772	.05239	-.03695
.150	.09899	.01144	.06093	-.03806
.200	.10622	.01498	.06808	-.03813
.300	.11625	.02129	.07942	-.03683
.400	.11997	.02621	.08619	-.03378
.500	.11571	.02925	.08711	-.02861
.600	.10263	.02995	.08127	-.02136
.700	.08144	.02785	.06856	-.01287
.800	.05467	.02246	.04980	-.00487
.900	.02687	.01334	.02677	-.00009
1.000	.00456	0.	.00228	-.00228

$\frac{\text{L.E. radius}}{c} = 0.0288$

(d) Wing section drawing and tabulated geometry at wing span station  $n = 0$ ; 12-percent thick wing,  $W_5$ .

Figure 2. - Continued.





(e) Wing maximum thickness distribution

Figure 2. - Continued.

REPRODUCTION OF  
ORIGINAL 17-16-15 FOUR



(f) Photograph of model in the Ames 11-Foot Transonic Wind Tunnel

Figure 2. - Concluded.

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(EAO051) V5 B2 T  
 (EAO060) V5 B2 T  
 (EAO046) V5 B2 T  
 (FA0051) V5 B2 T  
 (FA0058) V5 B2 T  
 (FA0042) V5 B2 T

LAMEDA HORIZT  
 .000 .000  
 45.000 .000  
 60.000 .000  
 45.000 .000  
 60.000 .000

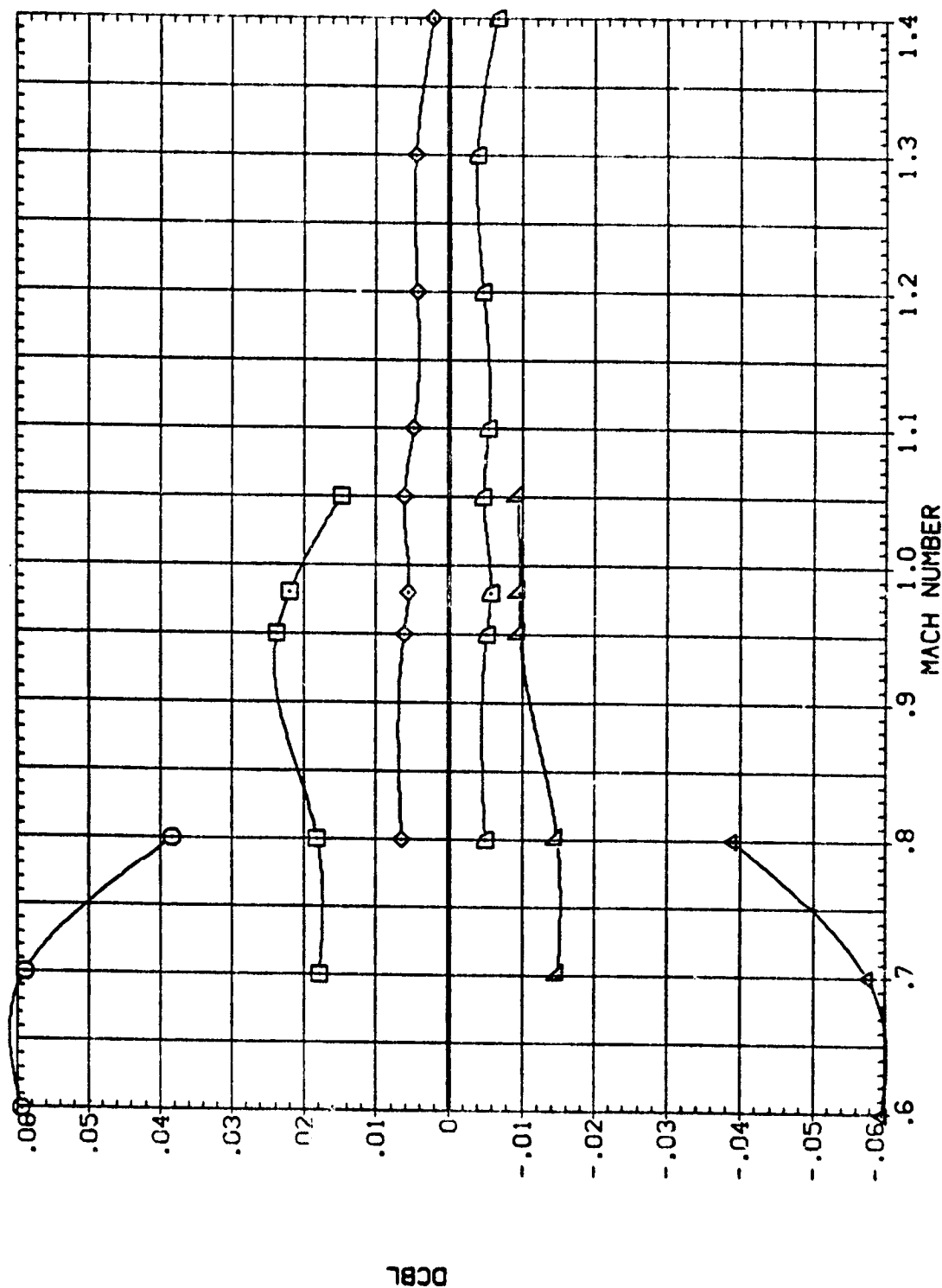


FIG. 3 INCREMENTAL ROLLING MOMENT FROM 10 DEG. LEFT AND RIGHT AILERON,  $CL=0.3$

(A)CL = .30

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0118) V5 B2 T  
 (ZA0089) V5 B2 T  
 (ZA0091) V5 B2 T  
 (BA0051) V5 B2 T  
 (BA0054) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 -10.100 .000 .000

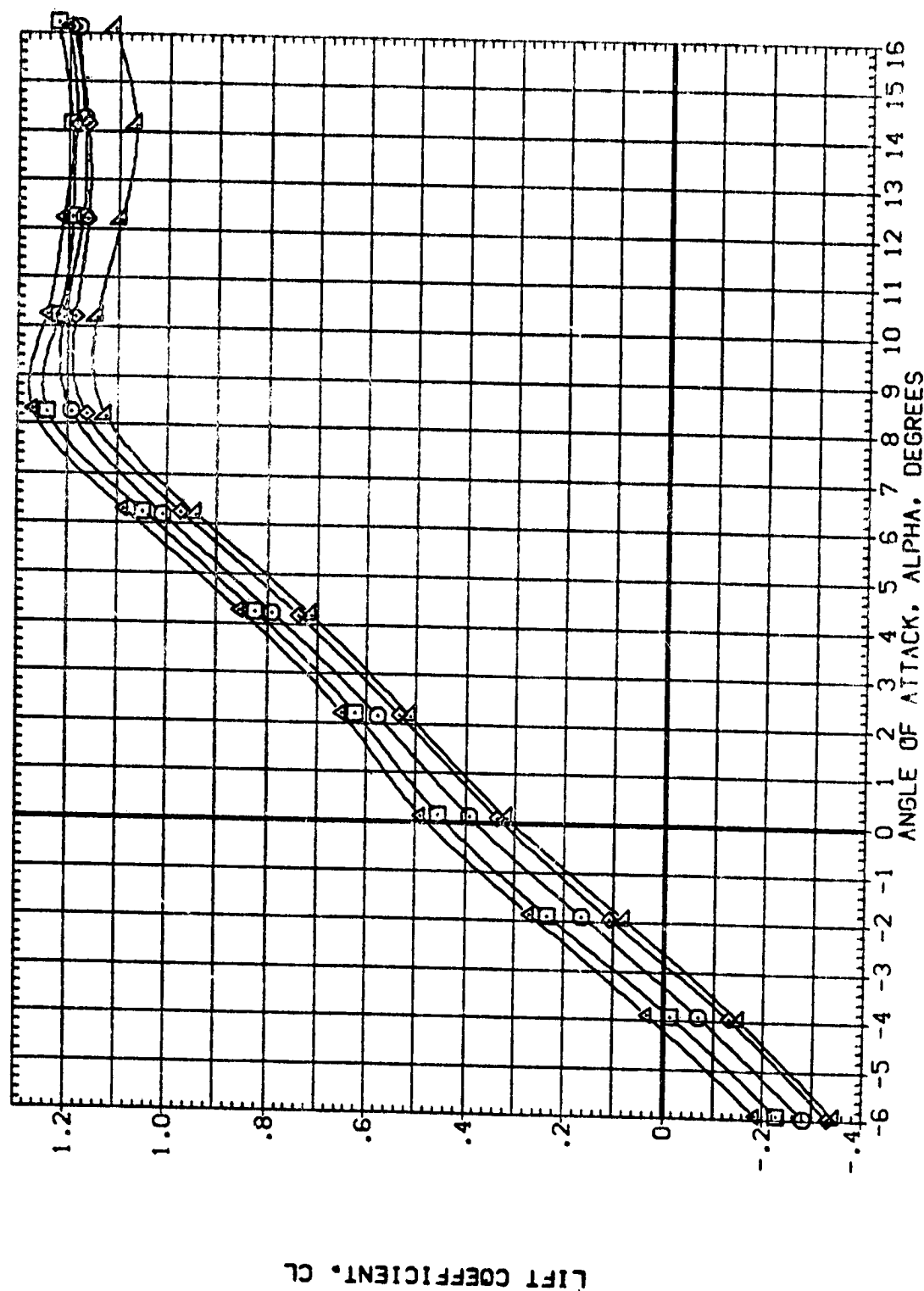


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.

(M)MACH = .60



REPORT  
ORIGINAL

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(BAG118) V5 B2 T  
(ZAG089) V5 B2 T  
(ZAG091) V5 B2 T  
(EAG051) V5 B2 T  
(BAG054) V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000

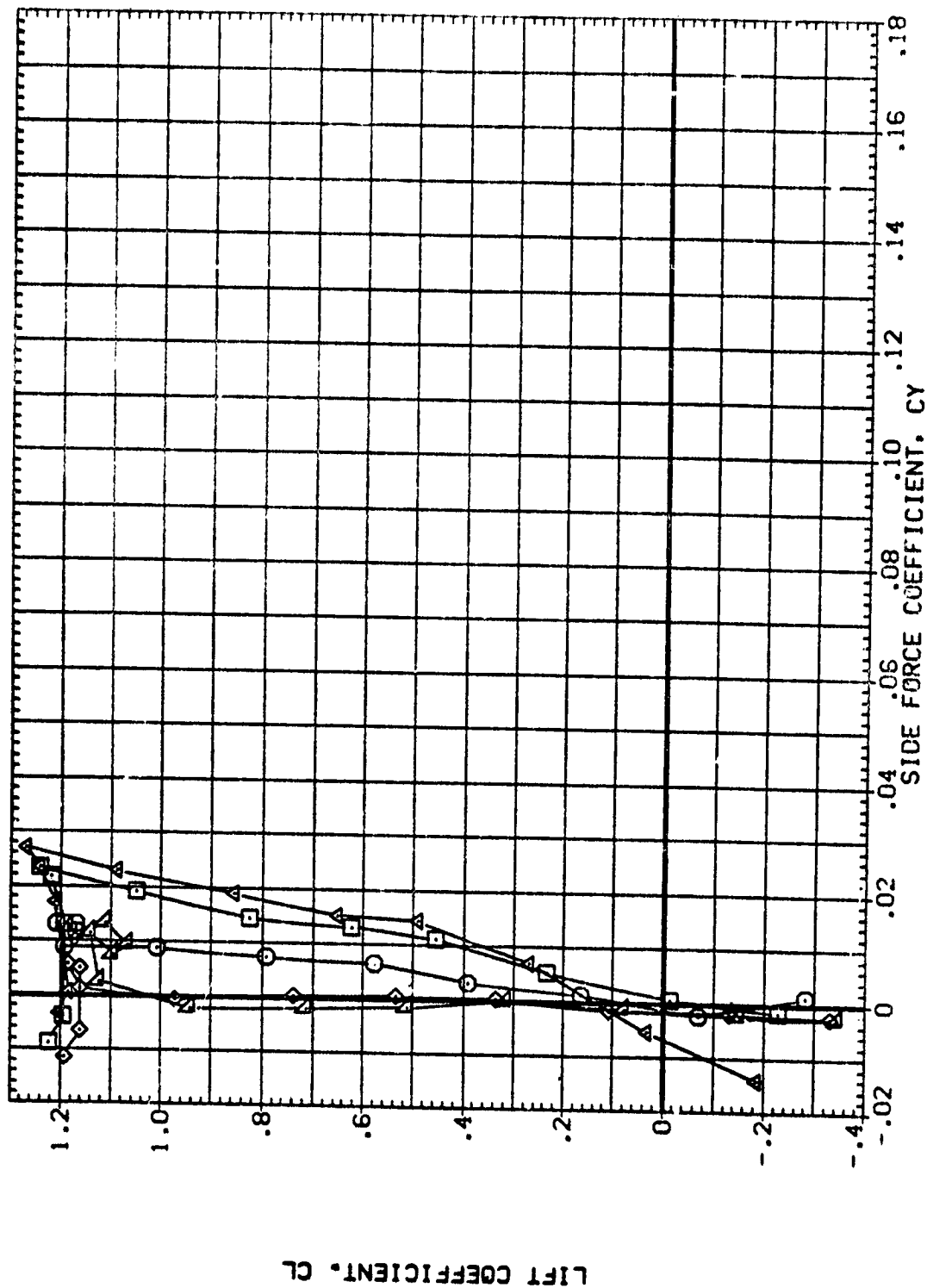


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.  
(M)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0118) VS B2 T  
 (ZAG069) VS B2 T  
 (ZAG091) VS B2 T  
 (BA0051) VS B2 T  
 (BA0054)

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000

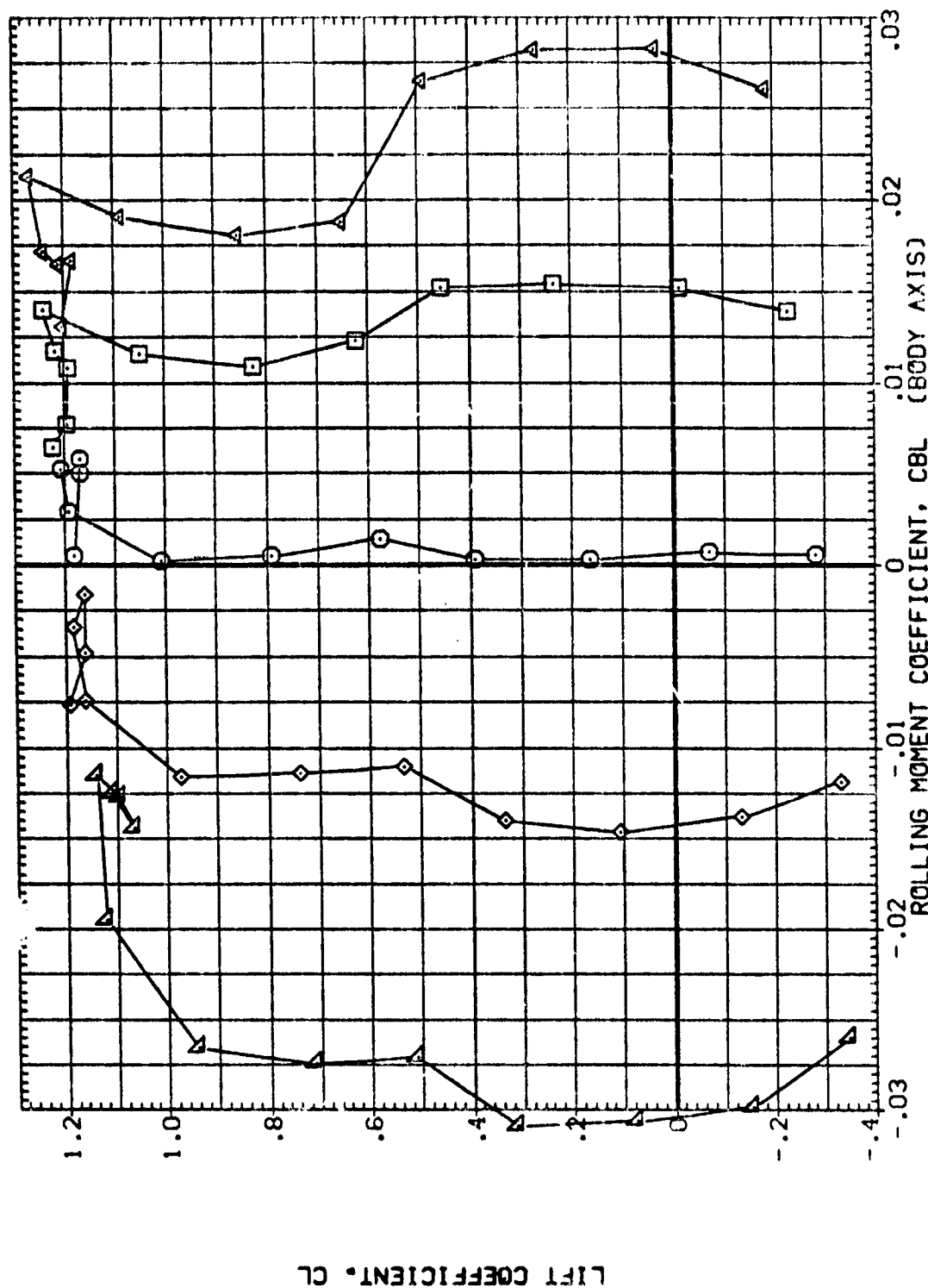


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.

(A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0118) V5 B2 T  
 (ZAD089) V5 B2 T  
 (ZAD091) V5 B2 T  
 (BAG051) V5 B2 T  
 (BAG054) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000

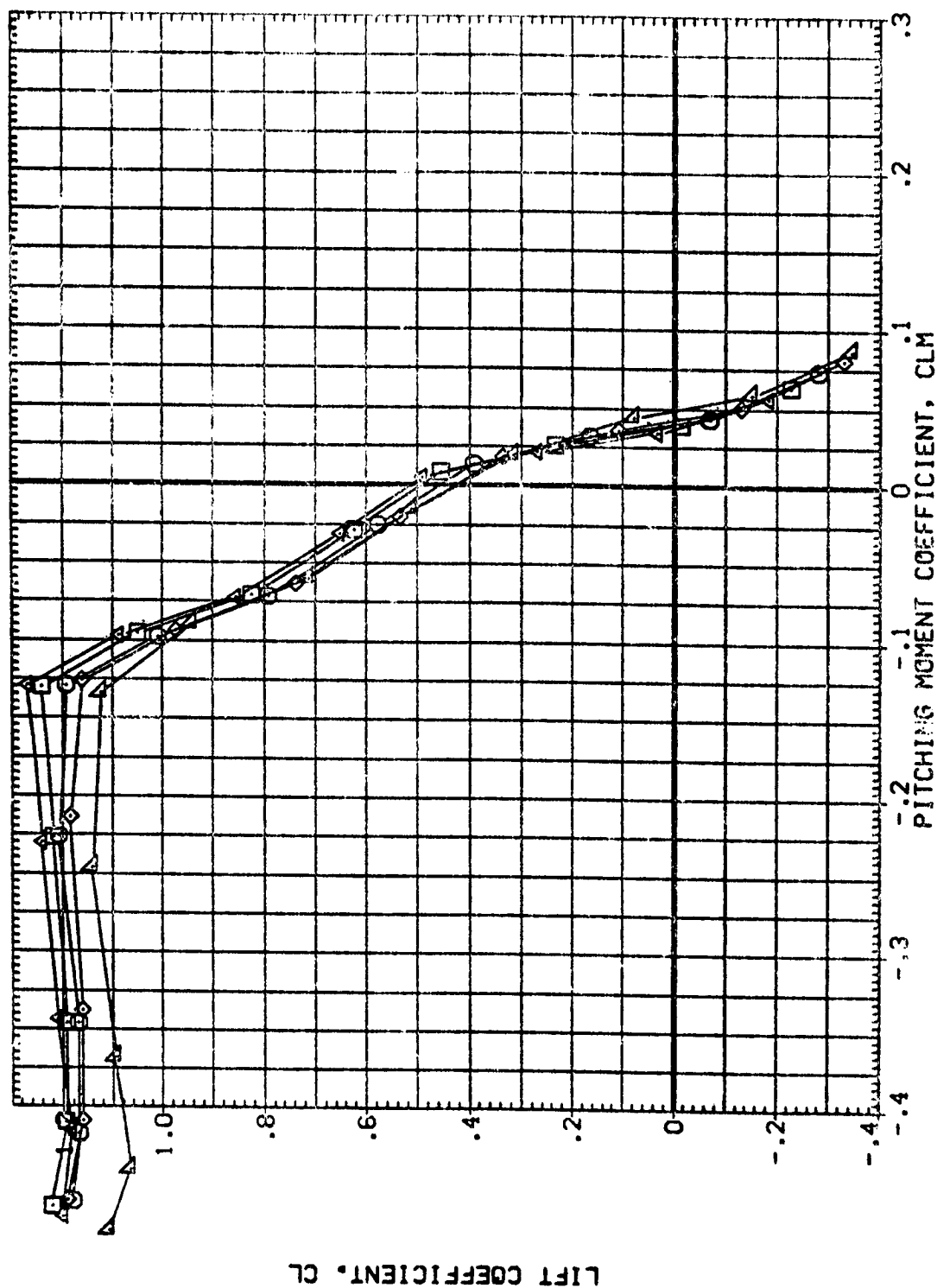


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.  
 (M)MACH = .60



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0118)  
(ZAG059)  
(ZAG051)  
(BA0051)  
(BA0054)

V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000

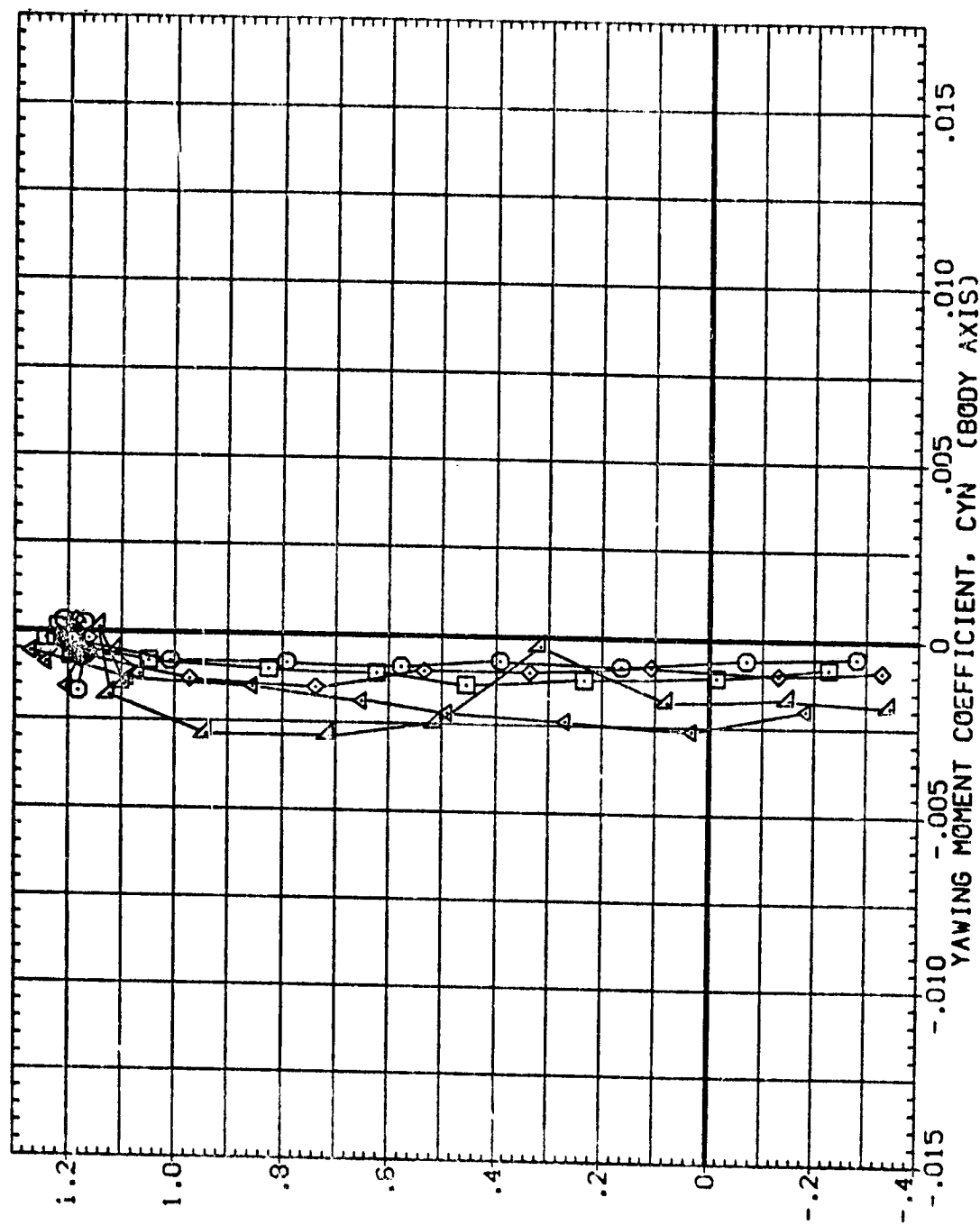


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.  
(M)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG118) VS B2 T  
 (ZAG089) VS B2 T  
 (ZAG091) VS B2 T  
 (BAG051) VS B2 T  
 (BAG054) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000

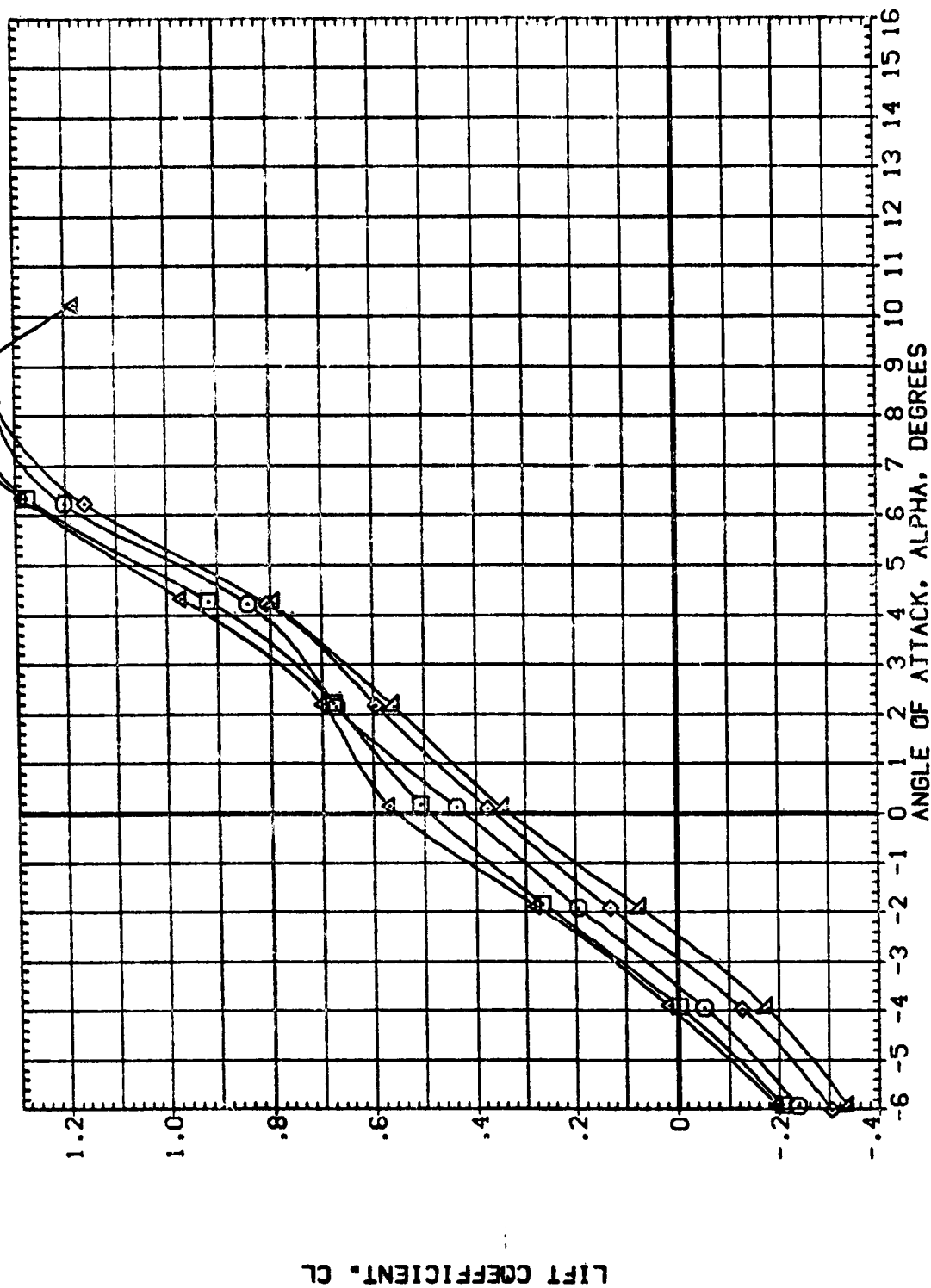


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.  
 (B)MACH = .70



AIL-L .000  
 AIL-R .000  
 HORIZT .000  
 .000  
 5.070  
 -5.070  
 10.100  
 -10.100

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0118) VS B2 T  
 (ZAD089) VS B2 T  
 (ZAD091) VS B2 T  
 (BA0051) VS B2 T  
 (BA0054) VS B2 T

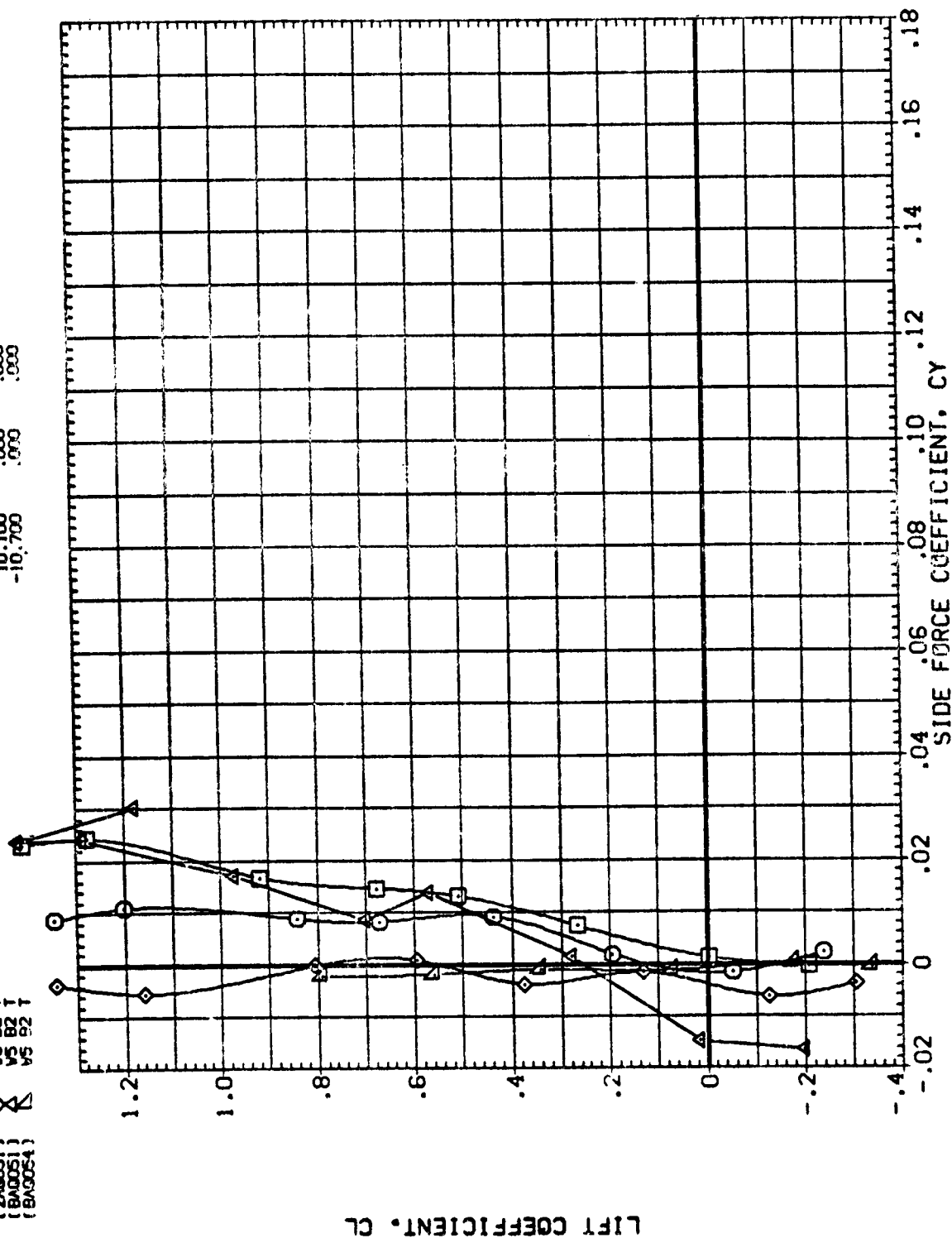


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.

(B)MACH = .70

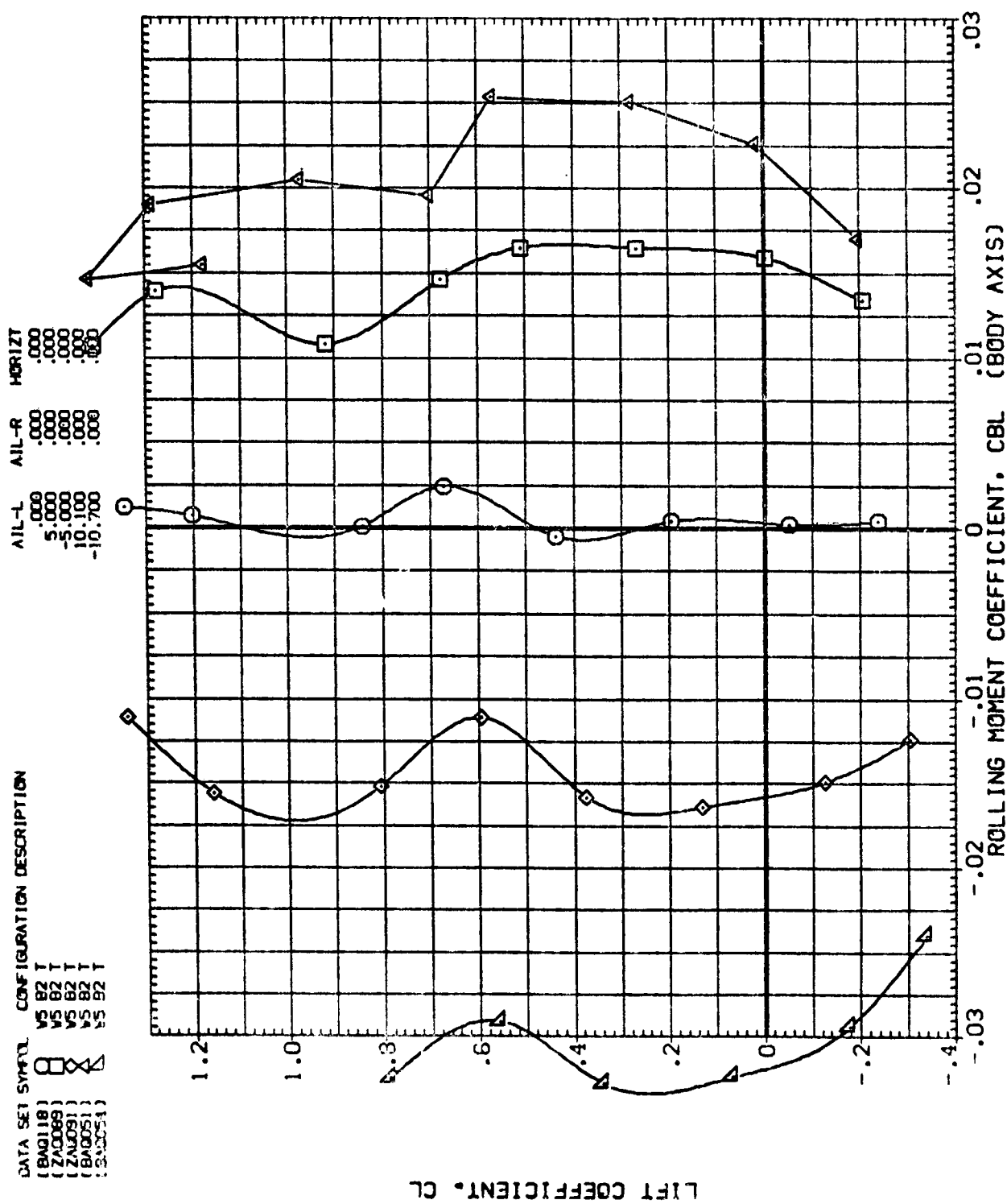


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.

(B)MACH = .70

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0118) VS B2 T  
 (ZAG008) VS B2 T  
 (ZAG009) VS B2 T  
 (BA0051) VS B2 T  
 (BA0054) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 -10.100 .000 .000

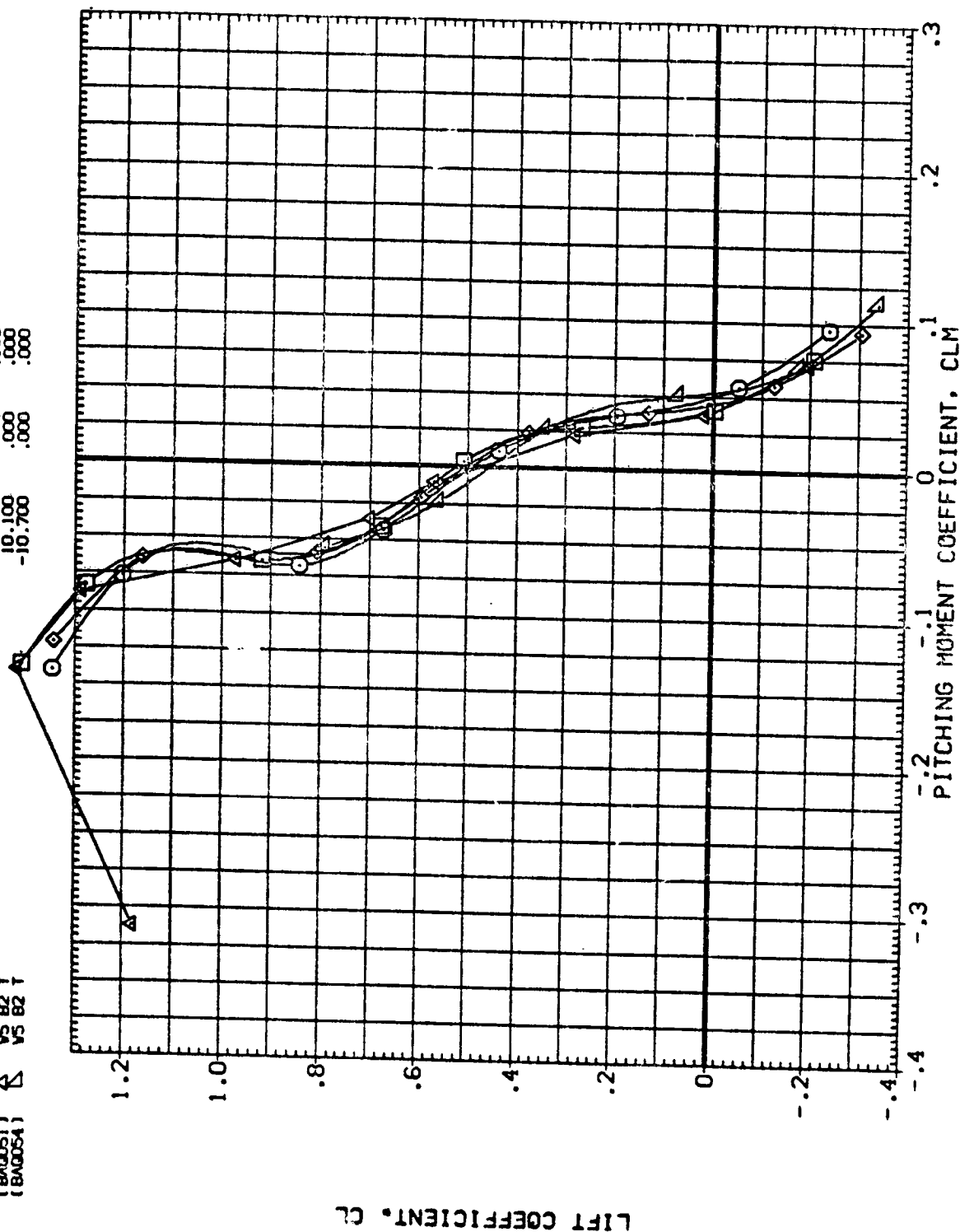


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 9.0 DEG.  
 (B)MACH = .70

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0113) V5 B2 T  
 (ZA0069) V5 B2 T  
 (ZA0091) V5 B2 T  
 (BA0051) V5 B2 T  
 (BA0051) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000

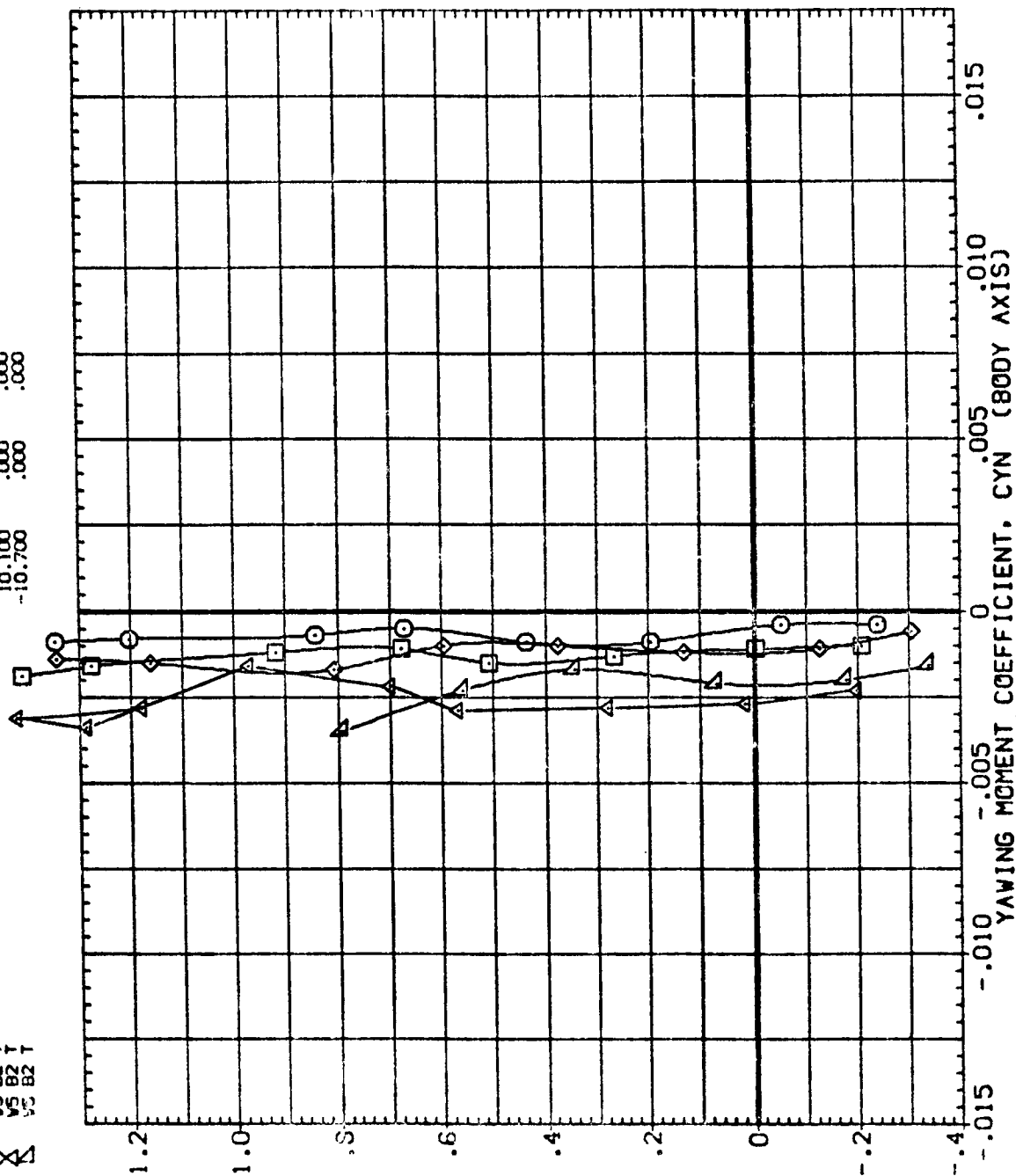


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.

(8)MACH = .70

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0118)	VS B2 T	AIL-L	AIL-R	HORIZT
(ZAG009)	VS B2 T	.000	.000	.000
(ZAG009)	VS B2 T	5.000	.000	.000
(BA0051)	VS B2 T	-5.000	.000	.000
(BA0054)	VS B2 T	10.100	.000	.000
		-10.700	.000	.000

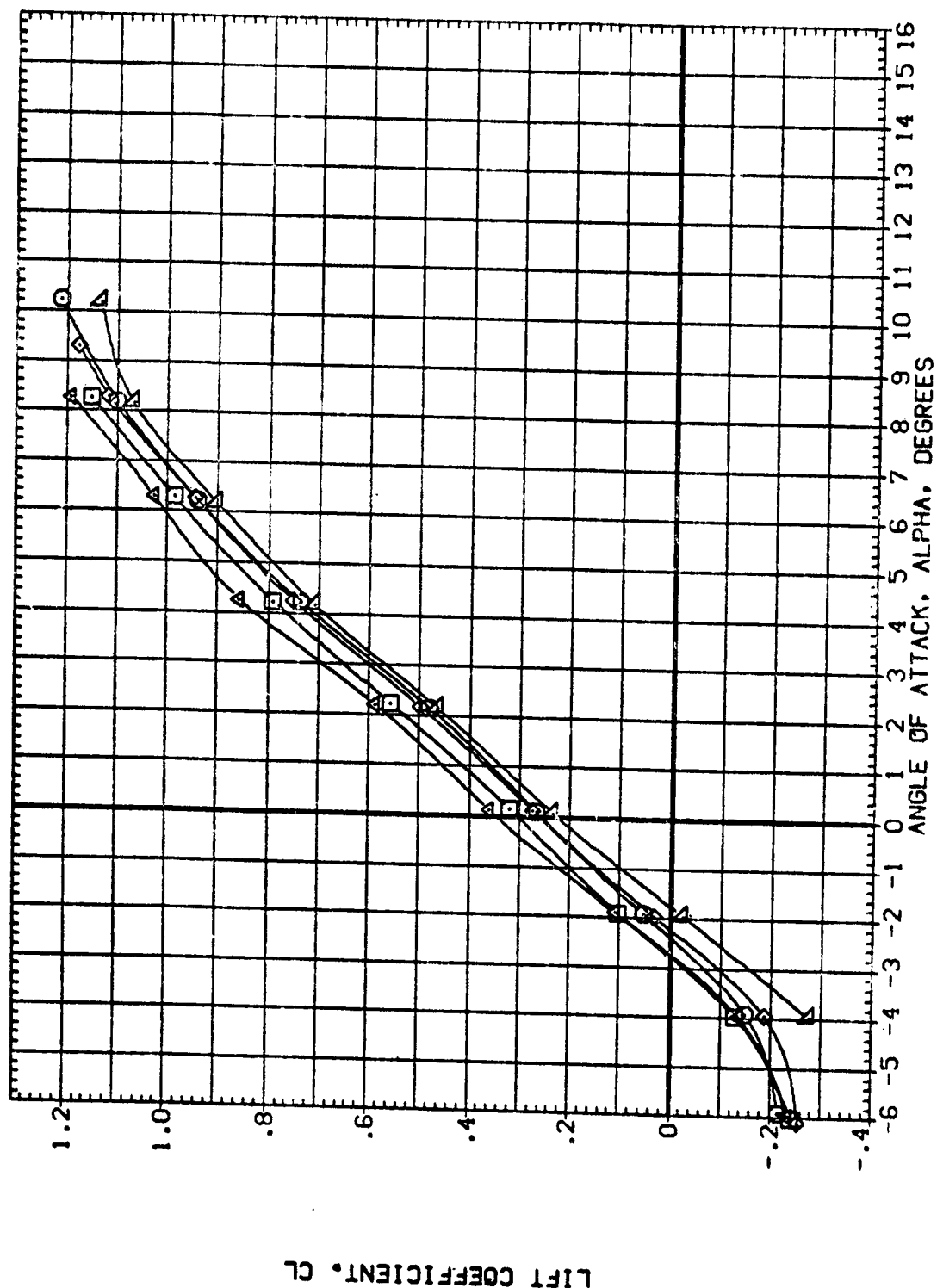


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.  
 $MACH = .80$



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0118)	V5 B2 T
(ZAG089)	V5 B2 T
(ZAG091)	V5 B2 T
(BA0051)	V5 B2 T
(BA0054)	V5 B2 T

AIL-L AIL-R HORIZT

.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000

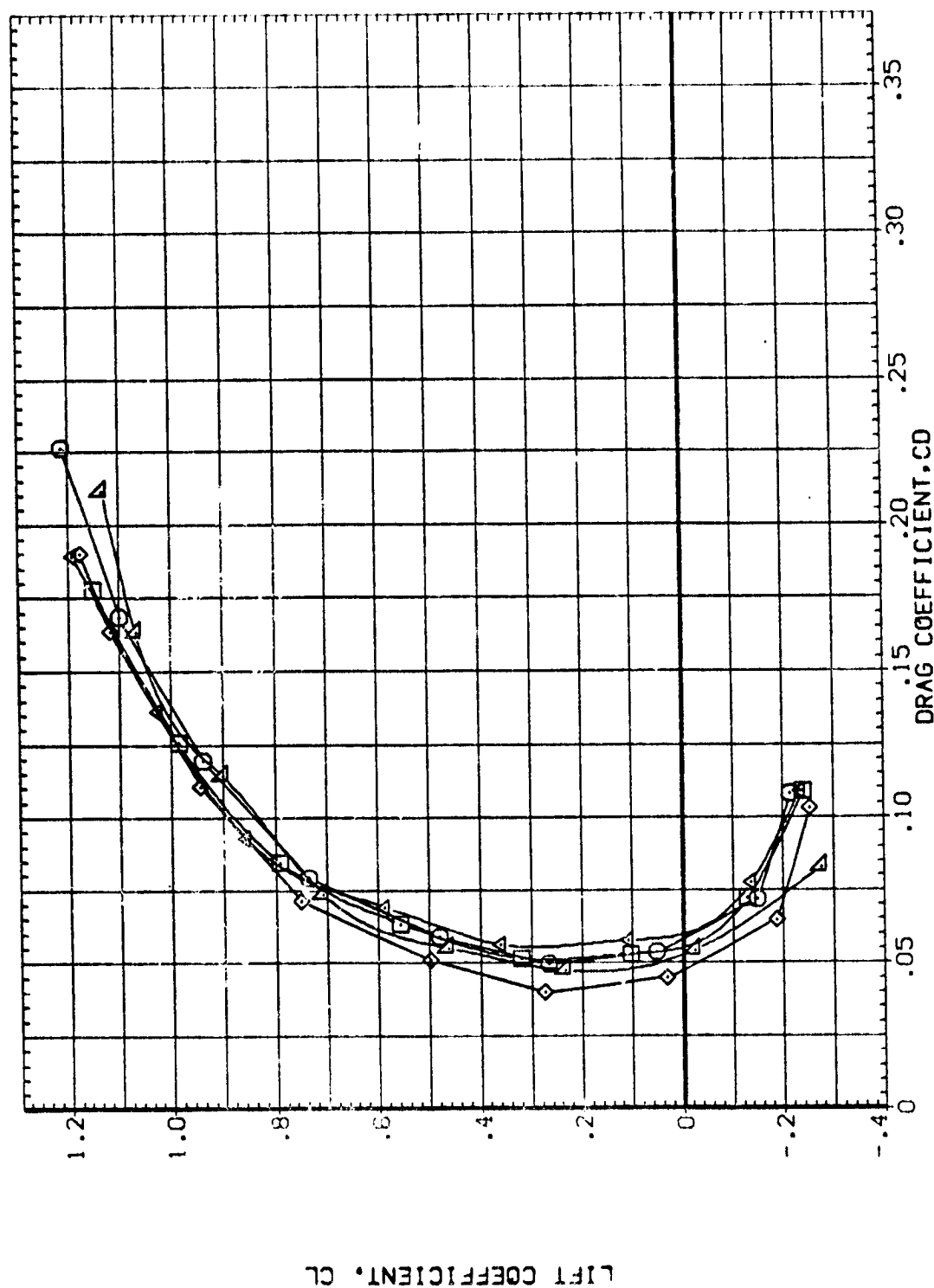


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.

(C)MACH = .80

REF ID: A60118  
ORIGINAL FILED IN 10018

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
VS B2 T  
VS B2 T  
VS B2 T  
VS B2 T  
VS B2 T  
VS B2 T

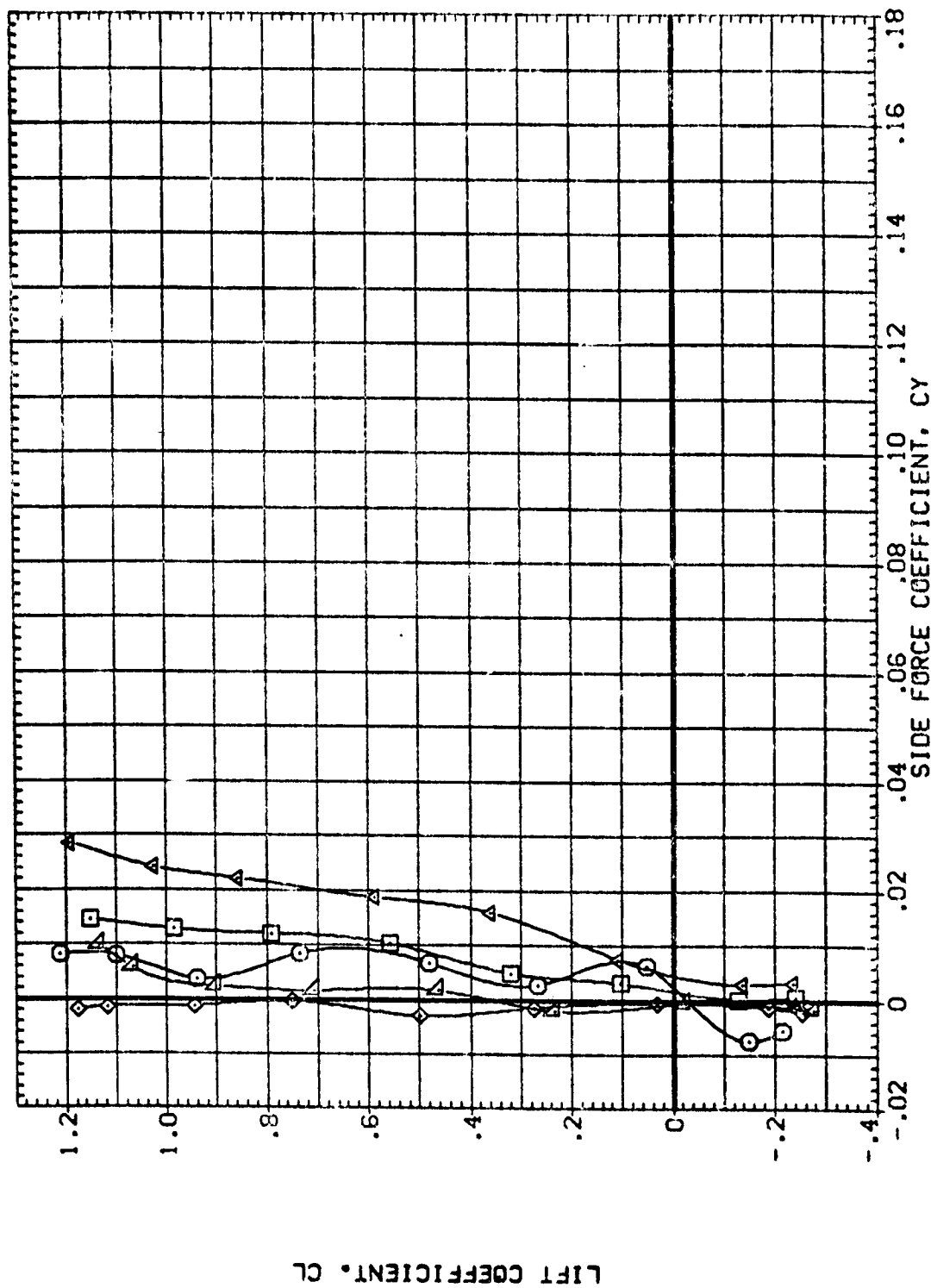







FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.

(C)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BAQ118)  VS B2 T  
 (ZAG089)  VS B2 T  
 (ZAG091)  VS B2 T  
 (BAQ051)  VS B2 T  
 (BAQ054)  VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 -10.100 .000 .000  
 -10.700 .000 .000

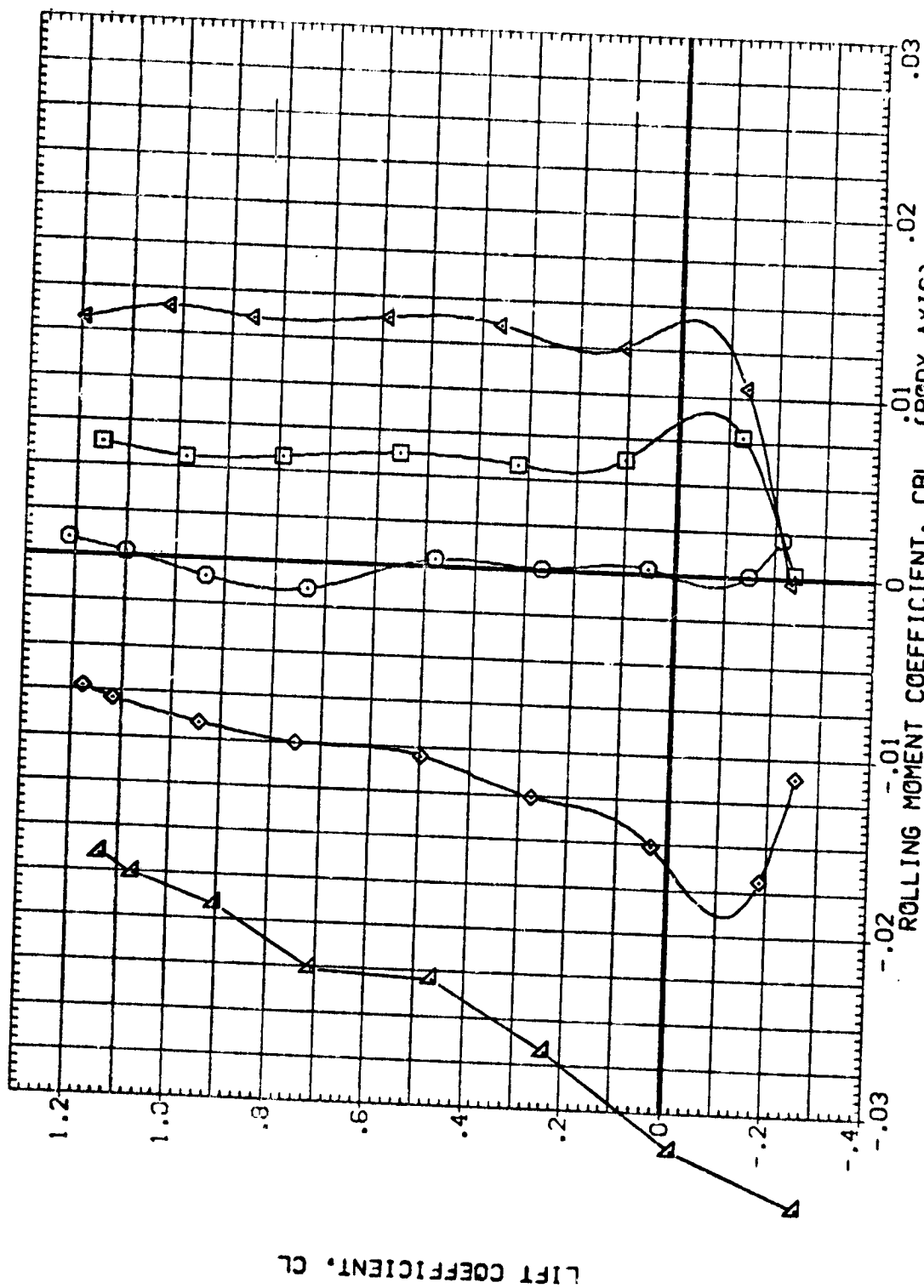


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.  
 (C)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0118) V5 B2 T  
 (ZAG069) V5 B2 T  
 (ZAG091) V5 B2 T  
 (ZAG051) V5 B2 T  
 (BA0054) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 -10.100 .000 .000

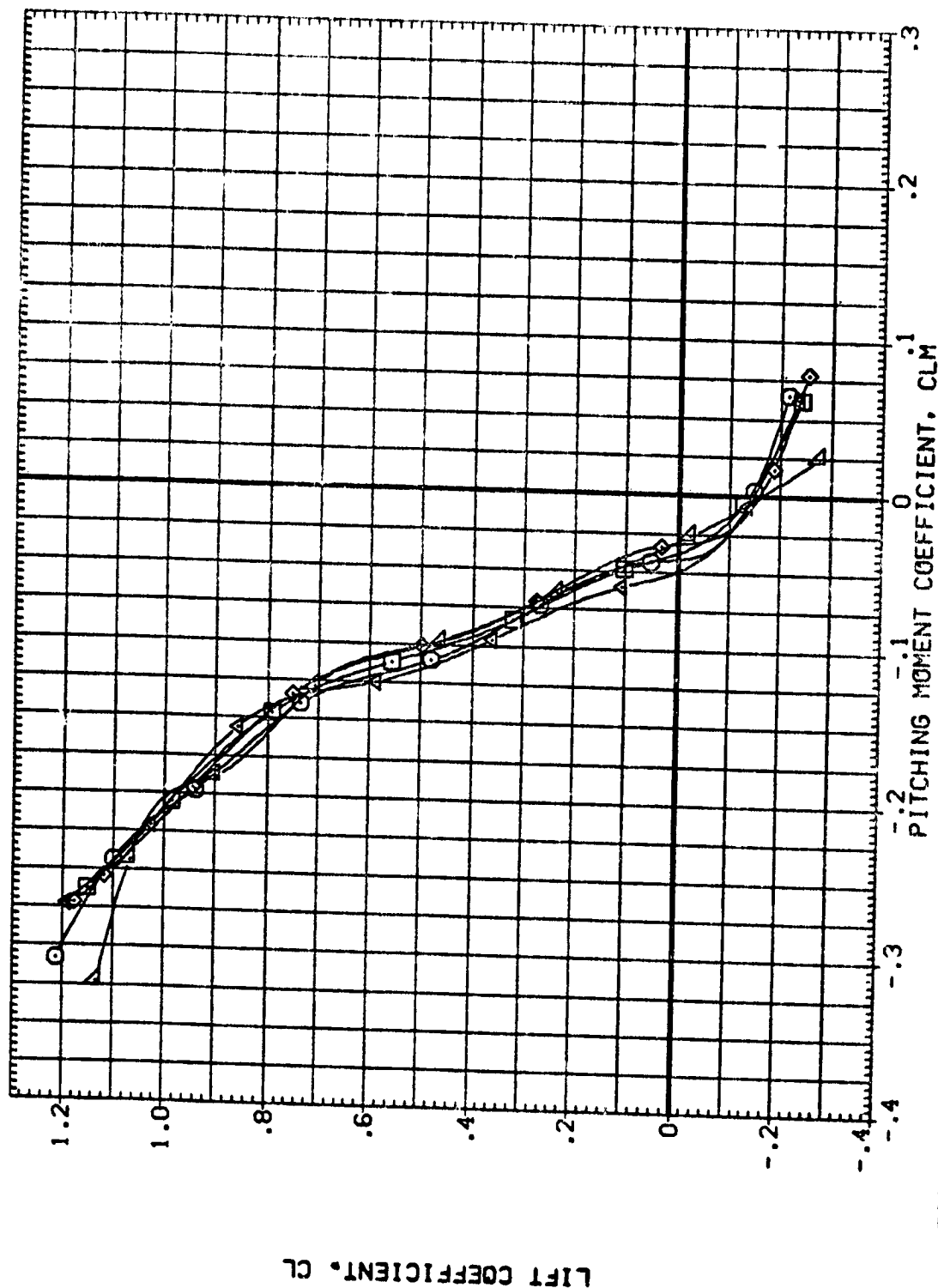


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OFAILERON DEFLECT., SWEEP = 0.0 DEG.  
 (COMACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0118) VS B2 T  
 (ZA0089) VS B2 T  
 (ZA0091) VS B2 T  
 (BA0051) VS B2 T  
 (BA0054)

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000

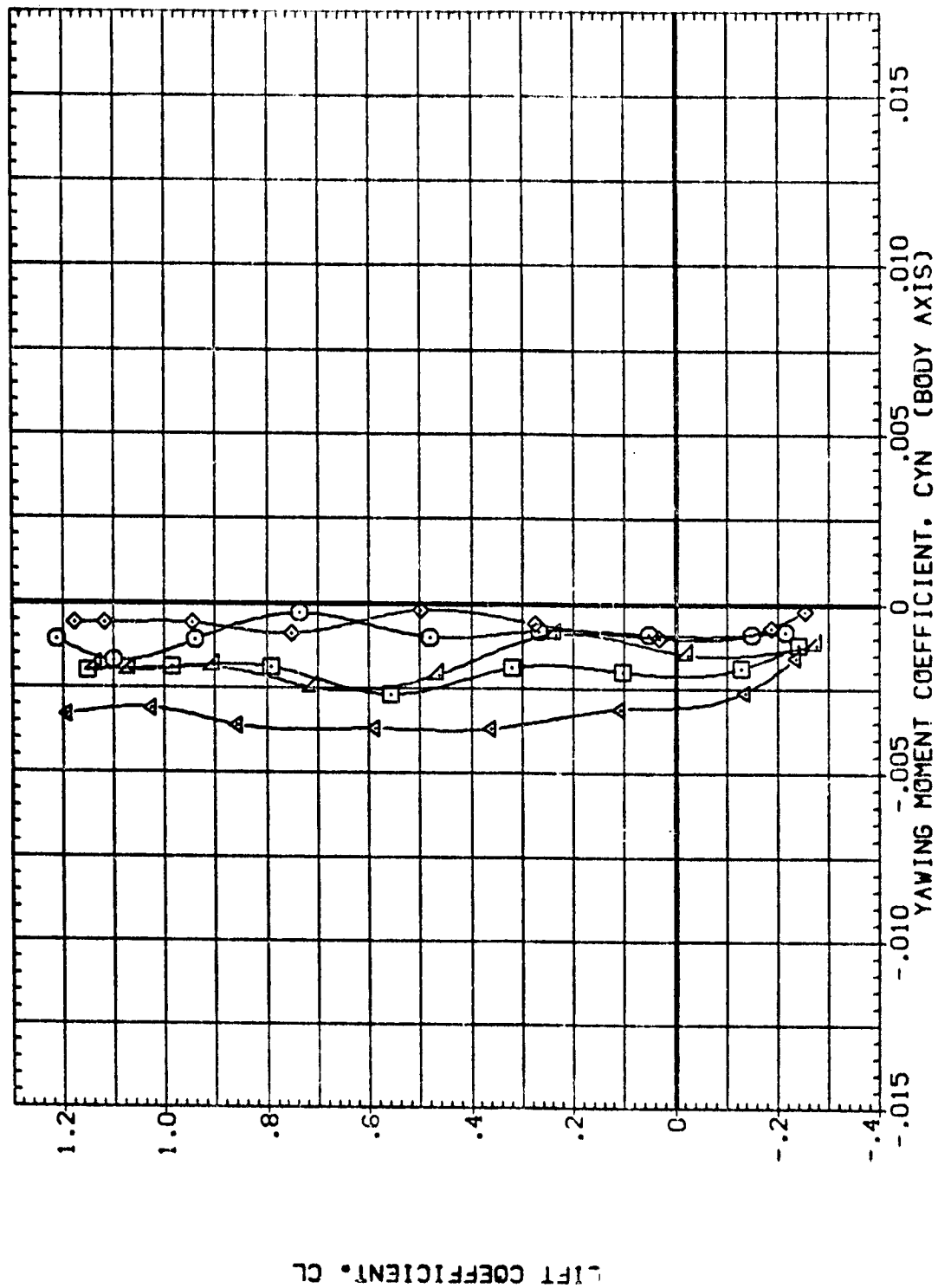


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 0.0 DEG.

(C)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(BA0110)	V5 B2 T	.000	.000	.000
(BA0086)	V5 B2 T	.000	.000	.000
(ZA0072)	V5 B2 T	.000	.000	.000
(BA0060)	V5 B2 T	.000	.000	.000
(ZA0058)	V5 B2 T	.000	.000	.000
(ZA0105)	V5 B2 T	.000	.000	.000

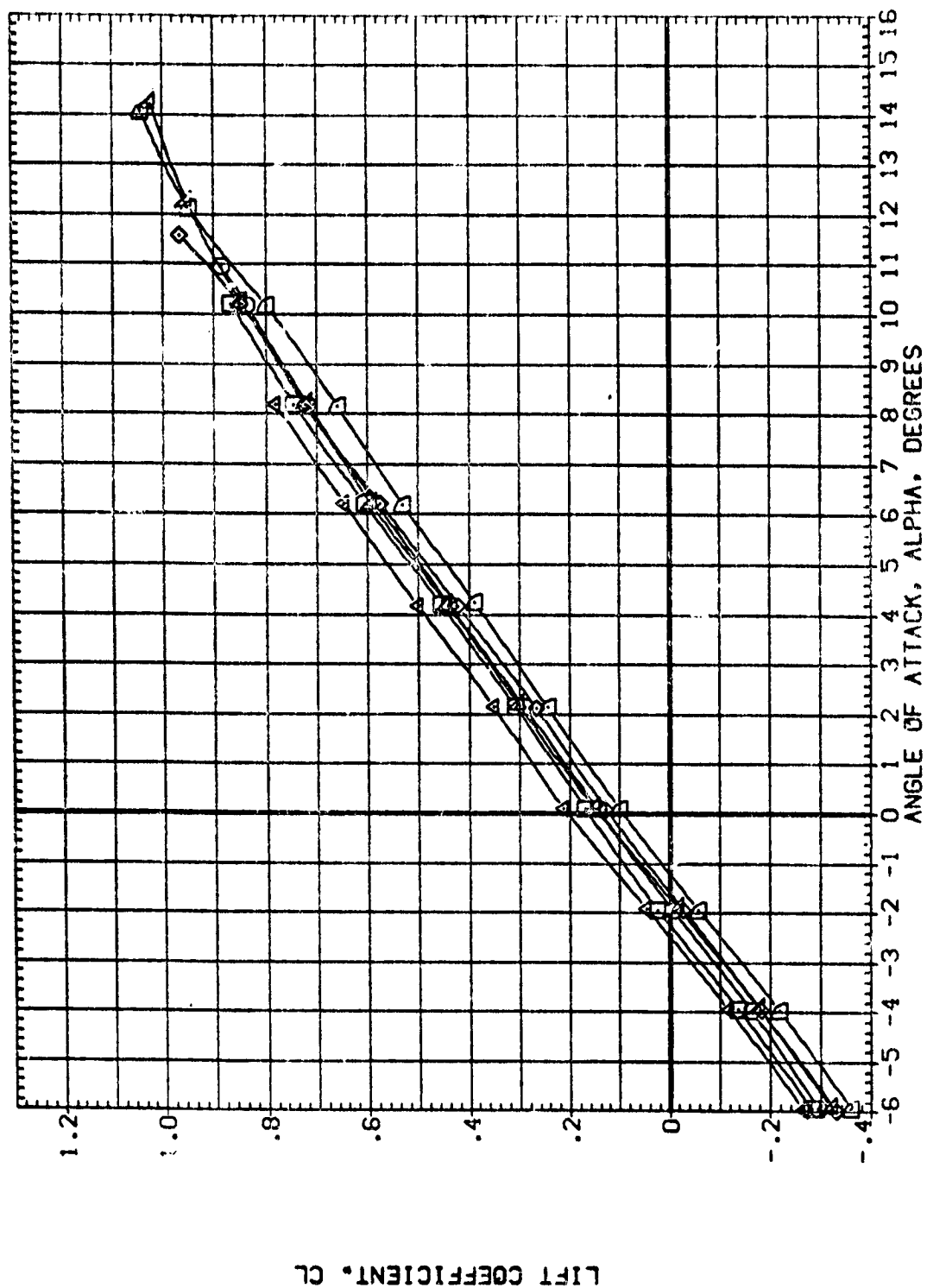


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BAQ110)	V5 B2 T
(ZAG068)	V5 B2 T
(ZAG070)	V5 B2 T
(BAQ065)	V5 B2 T
(ZAG063)	V5 B2 T
(ZAG103)	V5 B2 T

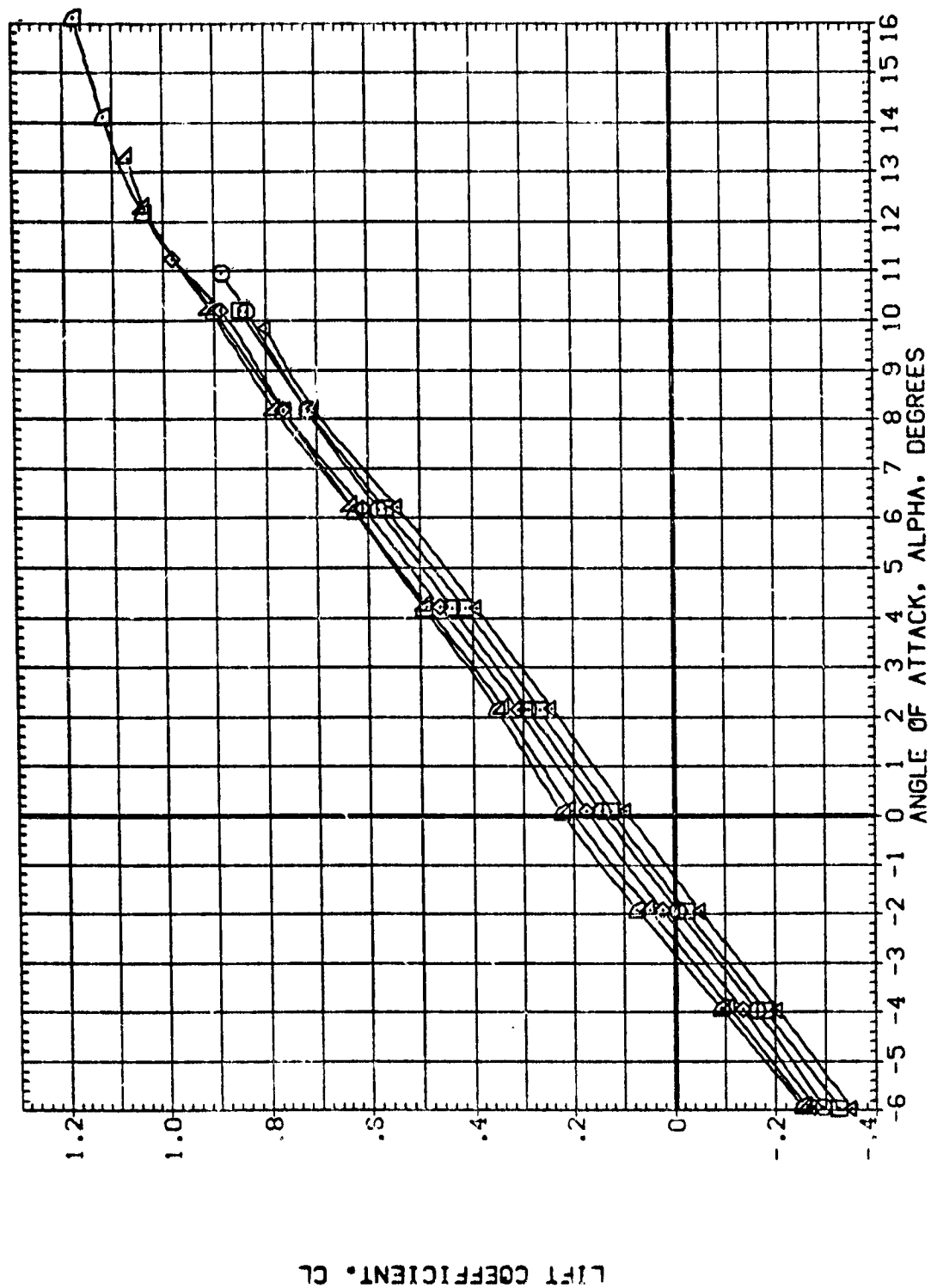


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

$$[A]_{\text{MACH}} = .70$$

REPRODUCED  
ORIGINAL

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(BAQ1110)	V5 B2 T	.000	.000	.000
(BAQ0086)	V5 B2 T	5.000	.000	.000
(ZAG0072)	V5 B2 T	-5.000	.000	.000
(BAQ0060)	V5 B2 T	10.100	.000	.000
(ZAG0058)	V5 B2 T	-10.700	.000	.000
(ZAG0105)	V5 B2 T	-14.300	.000	.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BAQ1110)  
(BAQ0086)  
(ZAG0072)  
(BAQ0060)  
(ZAG0058)  
(ZAG0105)

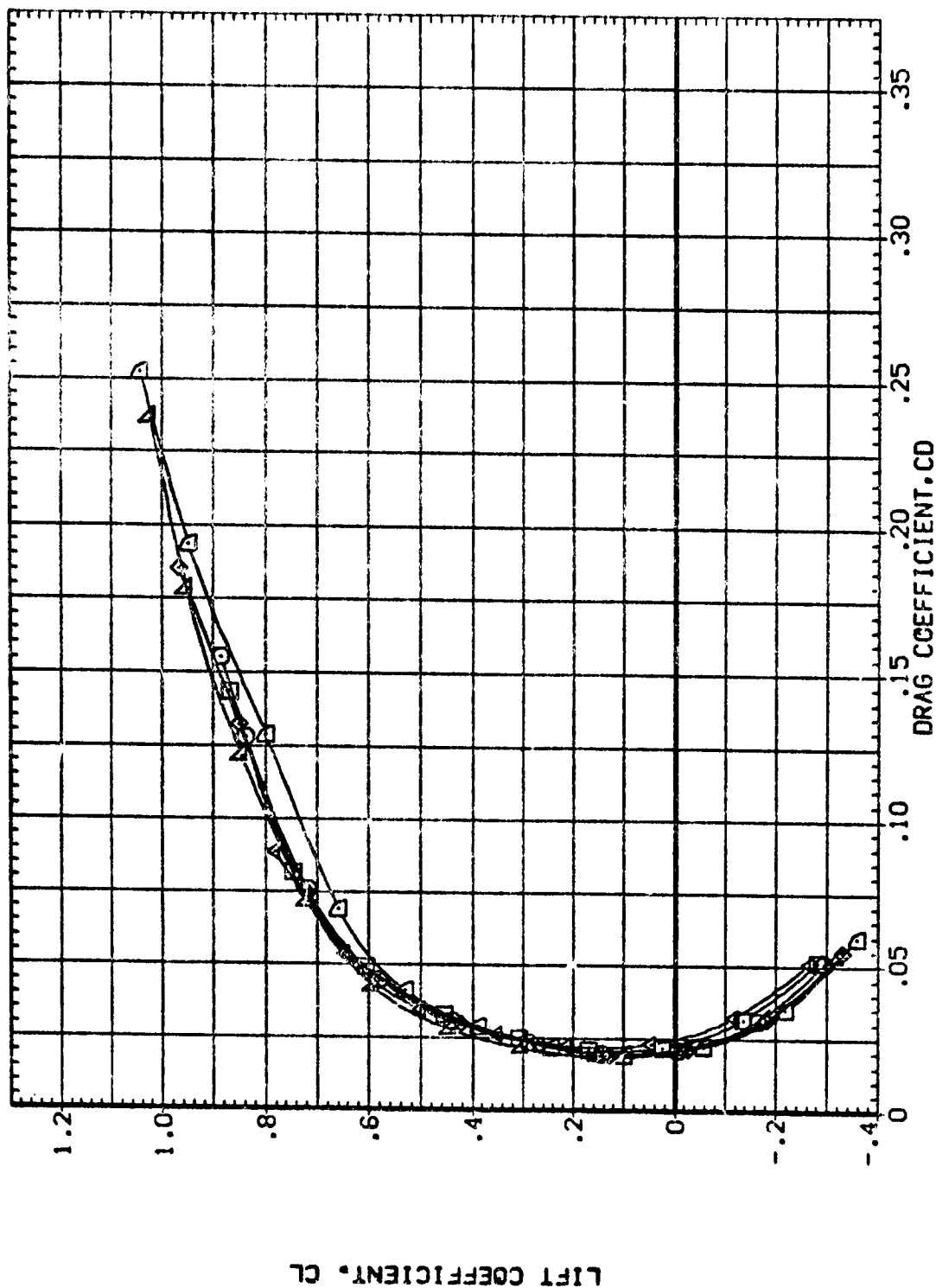


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
(M)MACH = .70



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110) V5 B2 T  
 (ZAG068) V5 B2 T  
 (ZAG070) V5 B2 T  
 (BA0063) V5 B2 T  
 (ZAG063) V5 B2 T  
 (ZAG103) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

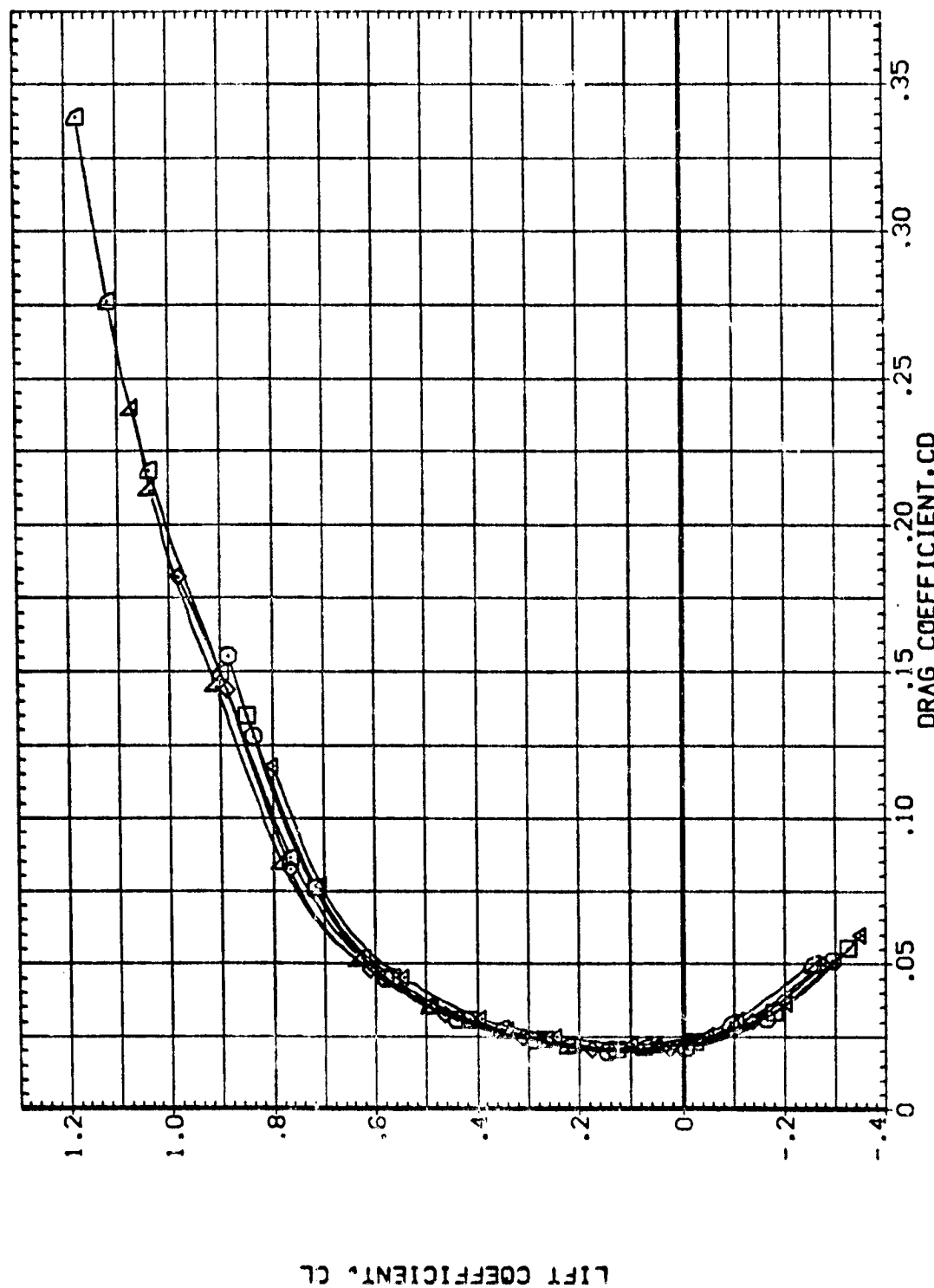


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(A)MACH = .70

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110)  
(BA0086)  
(ZAG072)  
(BA0060)  
(ZAG058)  
(ZAG105)

VS B2 T  
VS B2 T  
VS B2 T  
VS B2 T  
VS B2 T

□ □ □ □ □

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
-10.100 .000 .000  
-10.700 .000 .000  
-14.300 .000 .000

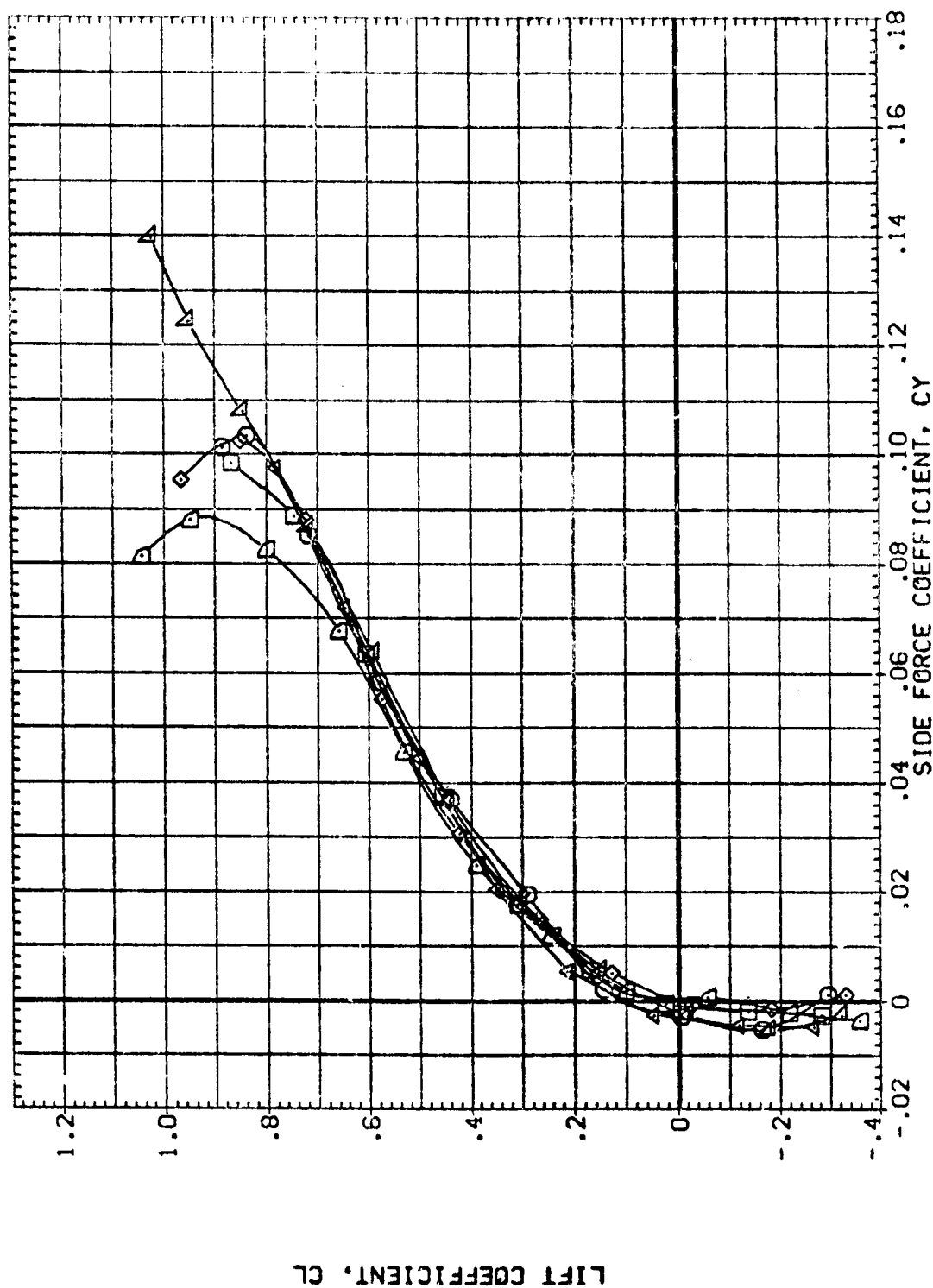


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(A) MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(BN0110)	V5 B2 T	.000	.000	.000
(ZAG068)	V5 B2 T	.000	.000	.000
(ZAG070)	V5 B2 T	.000	.000	.000
(BAG065)	V5 B2 T	.000	.000	.000
(ZAG063)	V5 B2 T	.000	.000	.000
(ZAG103)	V5 B2 T	.000	.000	.000

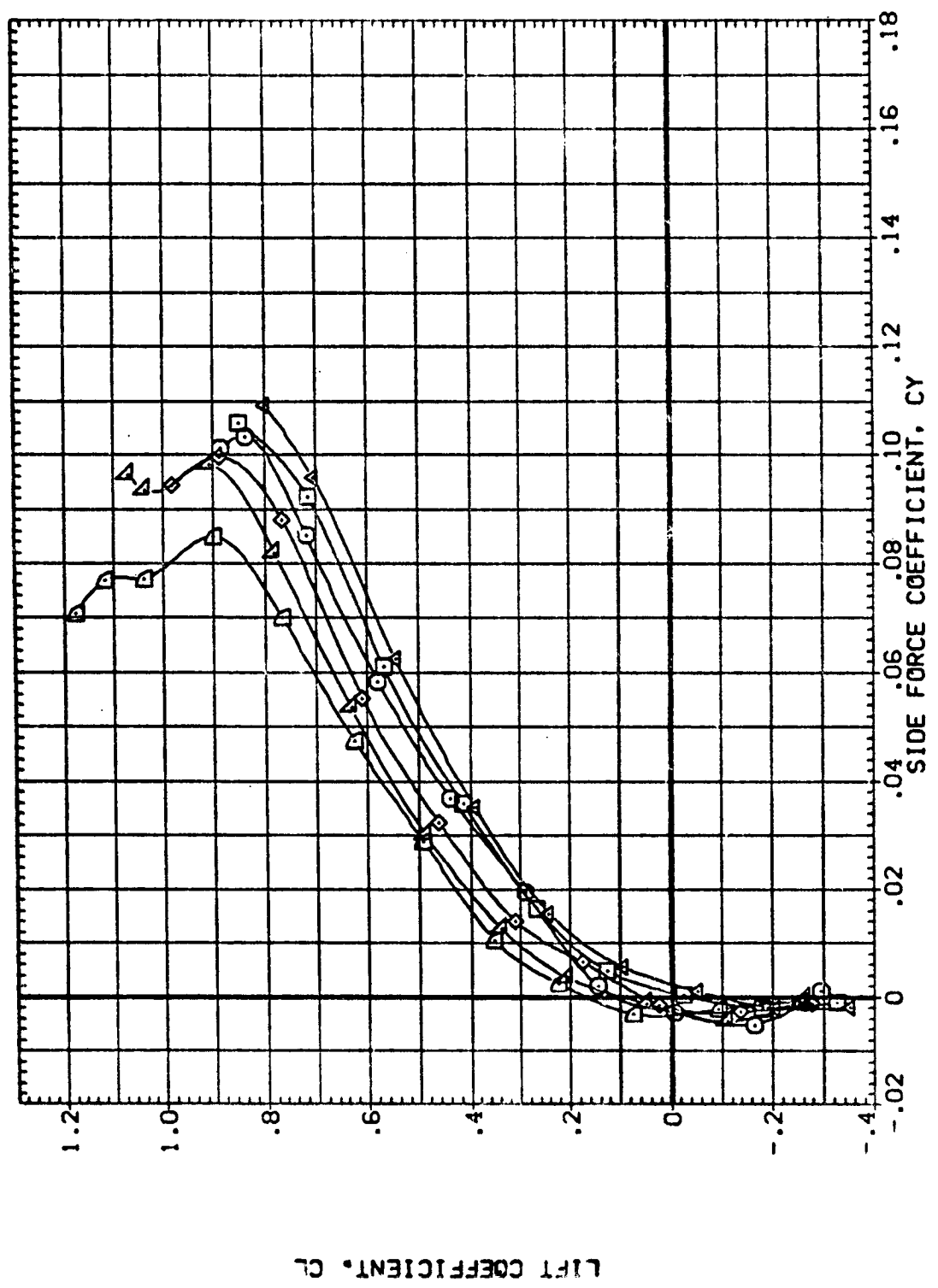


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(A)MACH = .70

REPRODUCED FROM  
ORIGINAL REPORT

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(BA0110)    VS B2 T  
(BA0086)    VS B2 T  
(ZAG072)    VS B2 T  
(BA0050)    VS B2 T  
(ZAG058)    VS B2 T  
(ZAG105)    VS B2 T

AIL-L    AIL-R    HORIZT

.000  
5.000  
-5.000  
10.100  
-10.700  
-14.300

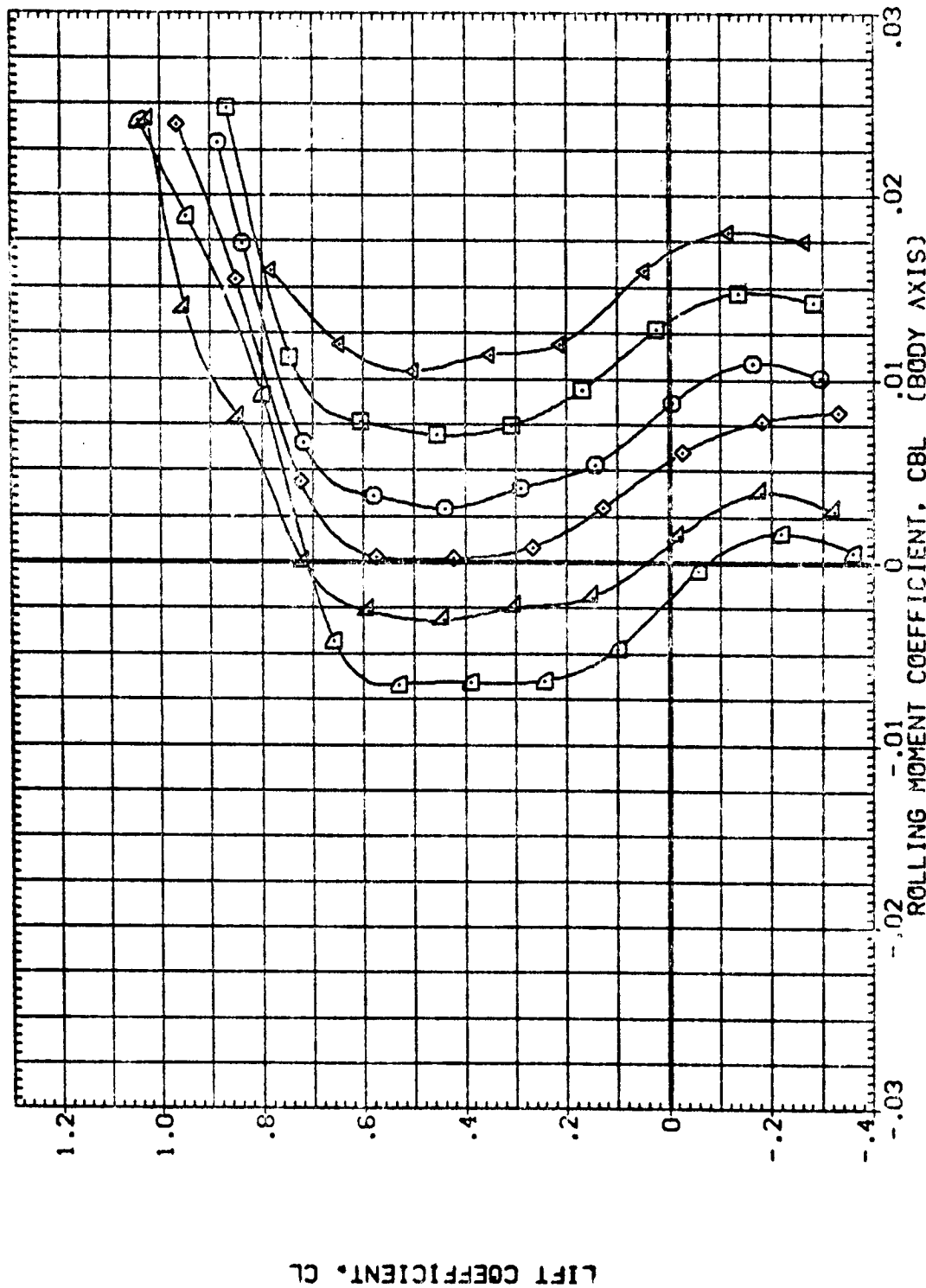


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(A) MACH = .70

DATA SET SYMBOL    CONFIGURATION DESCRIPTION

(BA0110)	VS B2 I
(ZAG068)	VS B2 I
(ZAG070)	VS B2 I
(BA0065)	VS B2 I
(ZAG063)	VS B2 I
(ZAG103)	VS B2 I

AIL-L	AIL-R	HORIZT
.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

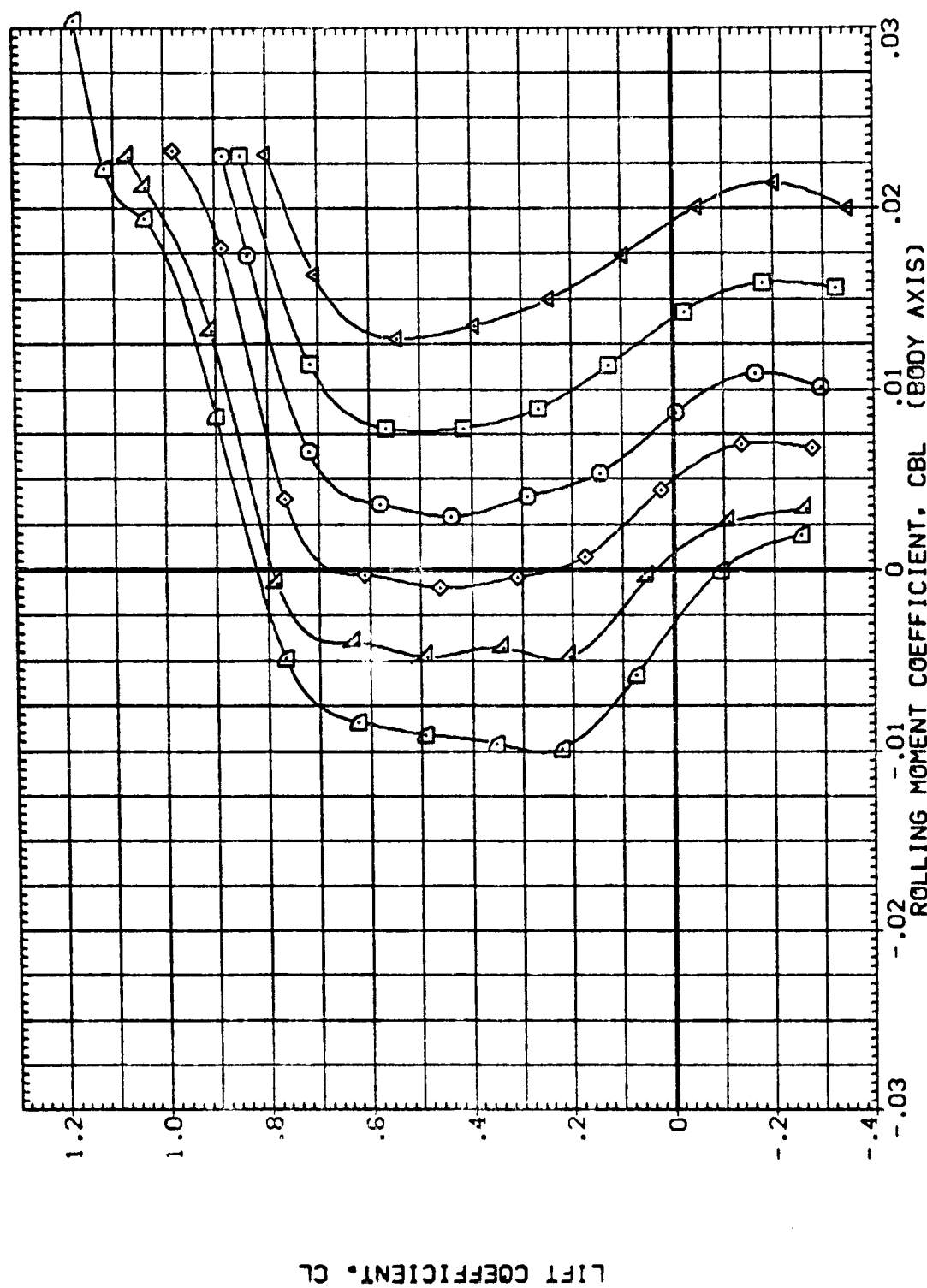


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
 (A) MACH = .70

AIL-L	AIL-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BA0110)	V5 B2 T
(BA0086)	V5 B2 T
(ZA0072)	V5 B2 T
(BA0060)	V5 B2 T
(ZA0058)	V5 B2 T
(ZA0105)	V5 B2 T

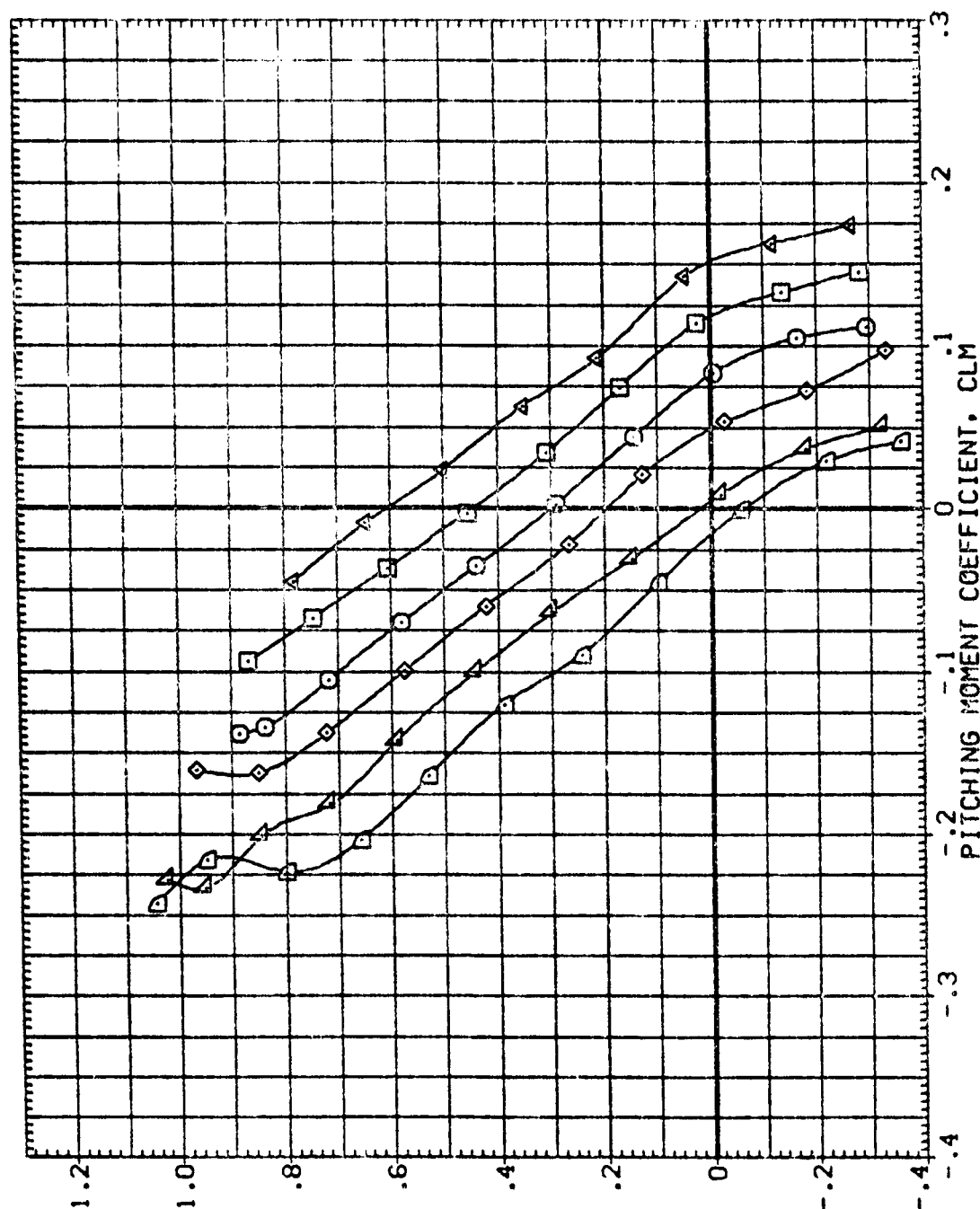


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) V5 B2 T  
 (ZAG068) V5 B2 T  
 (ZAG070) V5 B2 T  
 (BA0065) V5 B2 T  
 (ZAG063) V5 B2 T  
 (ZAG103) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

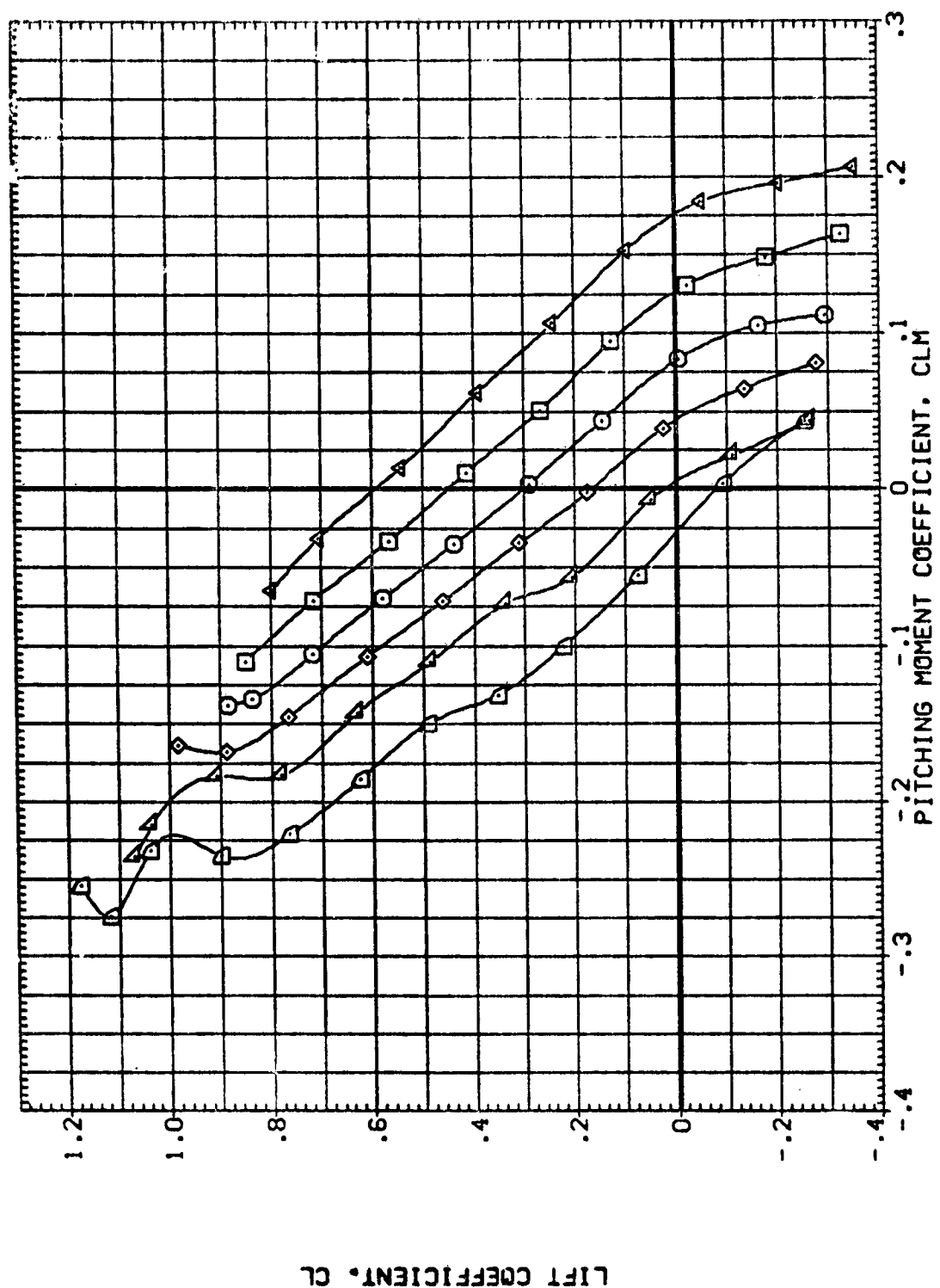


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.  
 (MACH = .70)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(BAQ110)	V5 B2 T	.000	.000	.000
(BAQ066)	V5 B2 T	5.000	.000	.000
(ZAG072)	V5 B2 T	-5.000	.000	.000
(BAQ060)	V5 B2 T	10.100	.000	.000
(ZAG058)	V5 B2 T	-10.700	.000	.000
(ZAG105)	V5 B2 T	-14.300	.000	.000

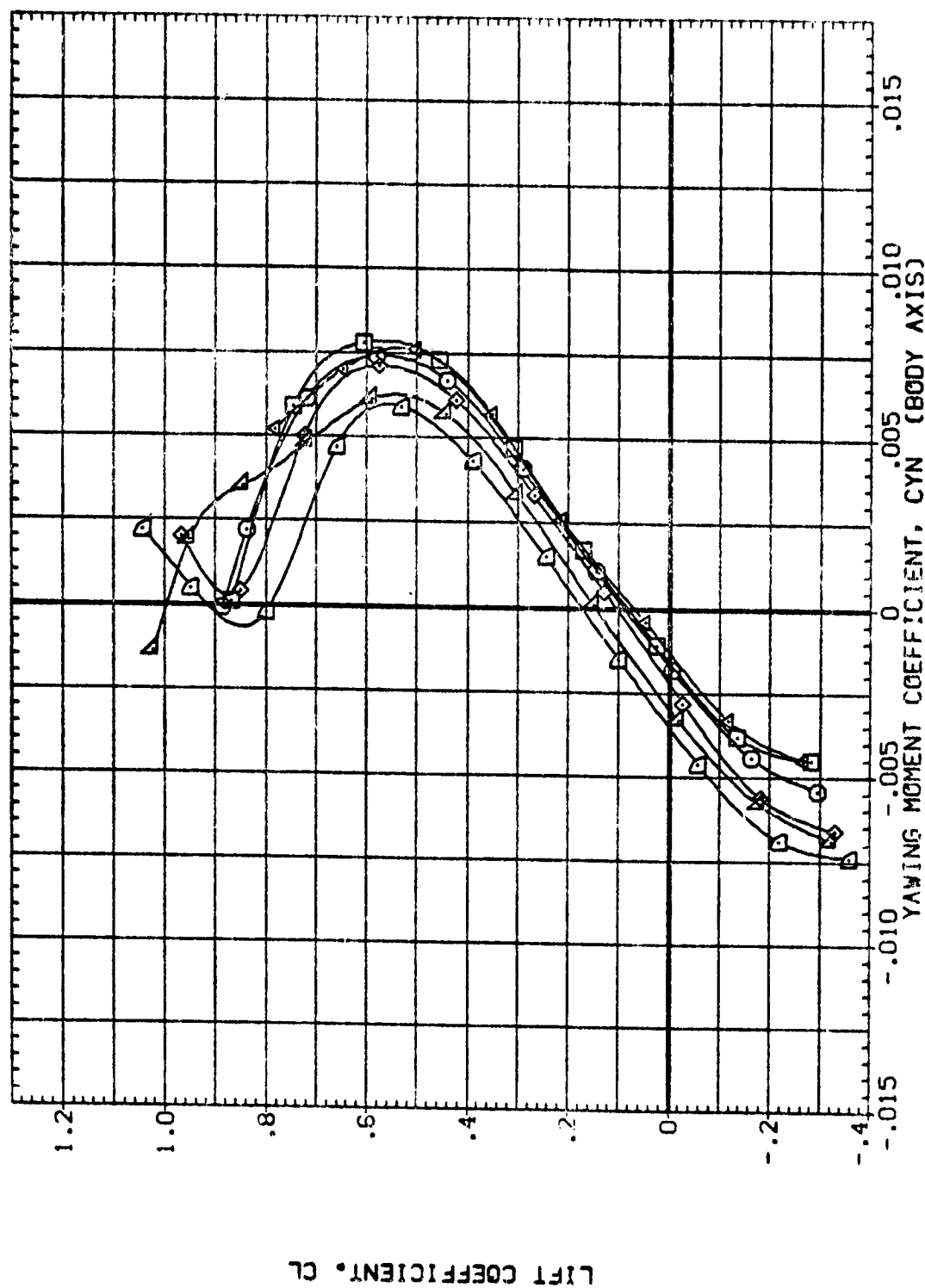


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(A)MACH = .70



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110) V5 B2 T  
 (ZAG068) V5 B2 T  
 (ZAG070) V5 B2 T  
 (BA0065) V5 B2 T  
 (ZAG063) V5 B2 T  
 (ZAG103) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 -5.000 .000 .000  
 -10.000 .000 .000  
 -10.600 .000 .000  
 -14.000 .000 .000

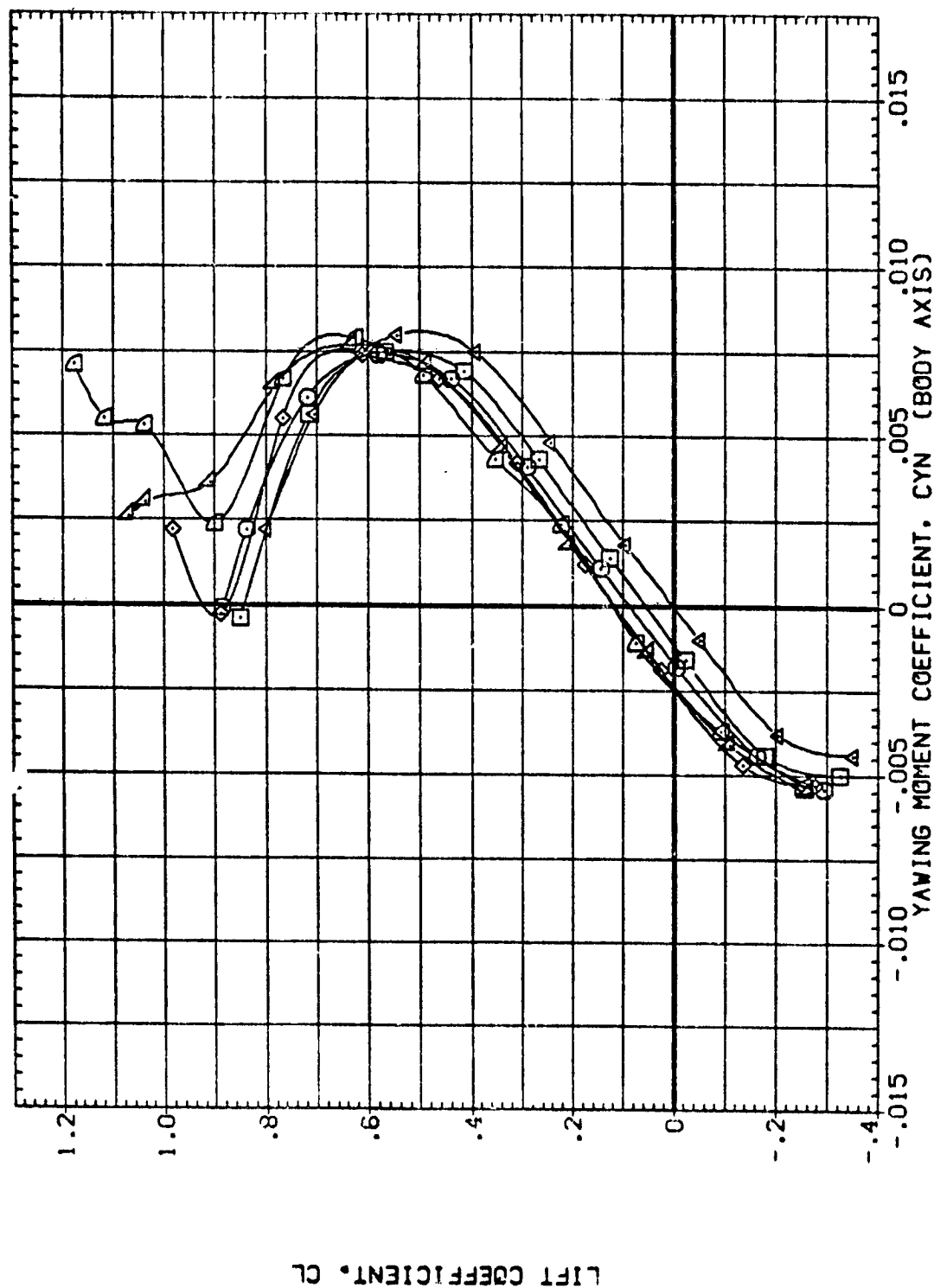


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

(A)MACH = .70

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110)	VS B2 T	AIL-L	AIL-R	HORIZT
(BA0066)	VS B2 T	.000	.000	.000
(ZA0072)	VS B2 T	5.000	.000	.000
(BA0060)	VS B2 T	-5.000	.000	.000
(ZA0058)	VS B2 T	10.100	.000	.000
(ZA0105)	VS B2 T	-10.700	.000	.000
		-14.300	.000	.000

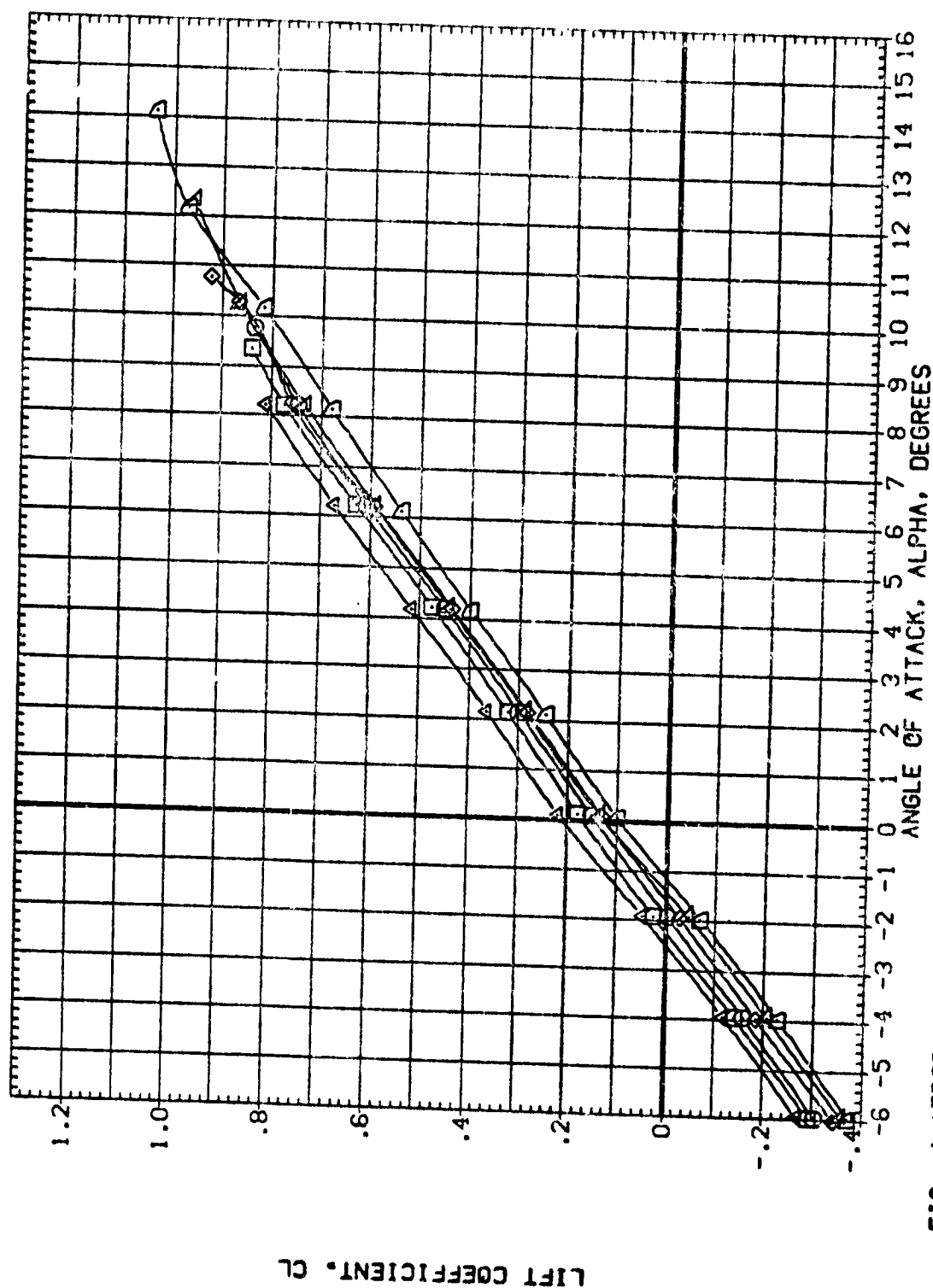
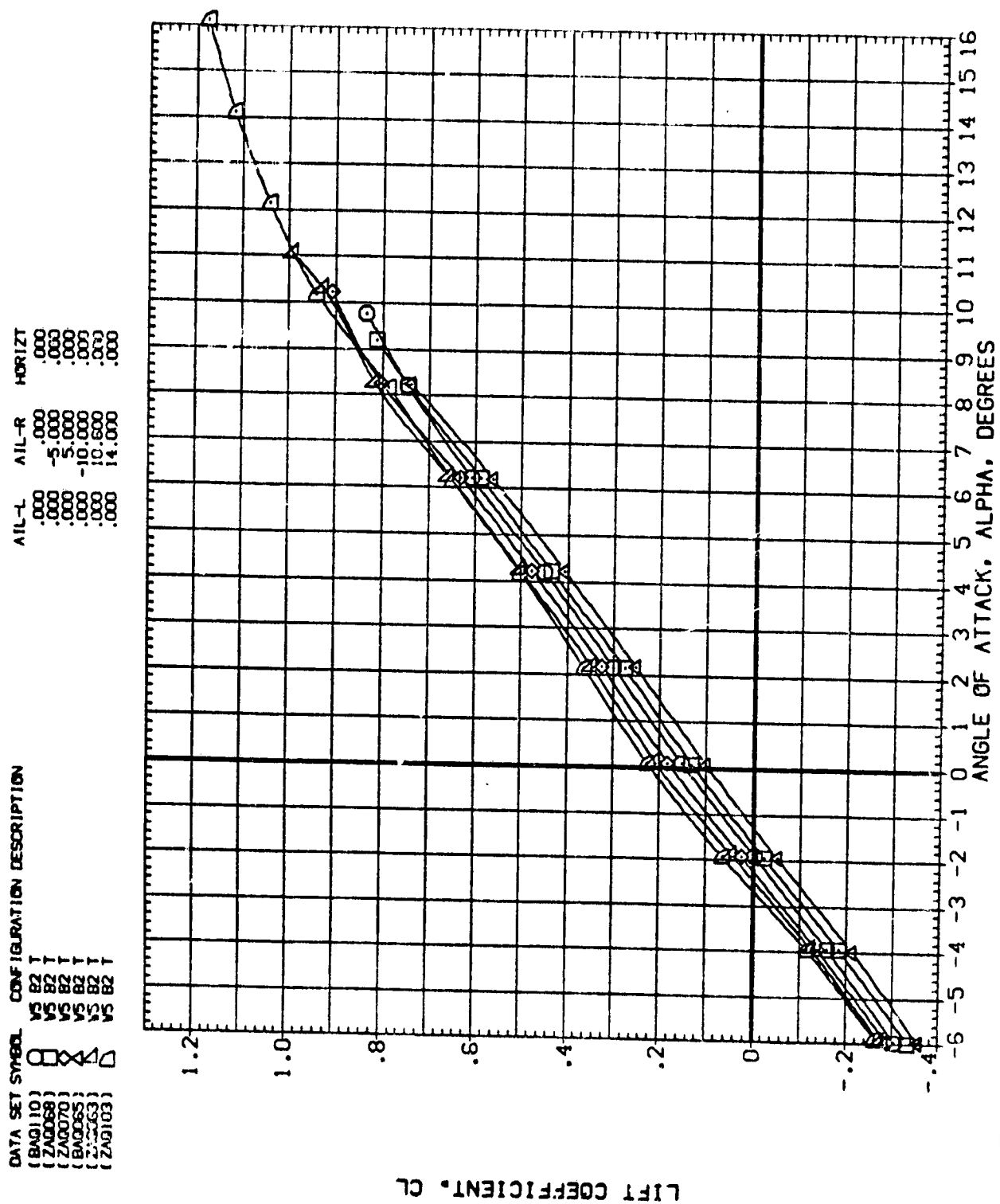


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OFAILERON DEFLECT., SWEEP =45.0 DEG.  
(B)MACH = .80



```
CB)MACH = .80
```

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG110) V5 B2 T  
 (BAG086) V5 B2 T  
 (ZAG072) V5 B2 T  
 (BAG060) V5 B2 T  
 (ZAG058) V5 B2 T  
 (ZAG105) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

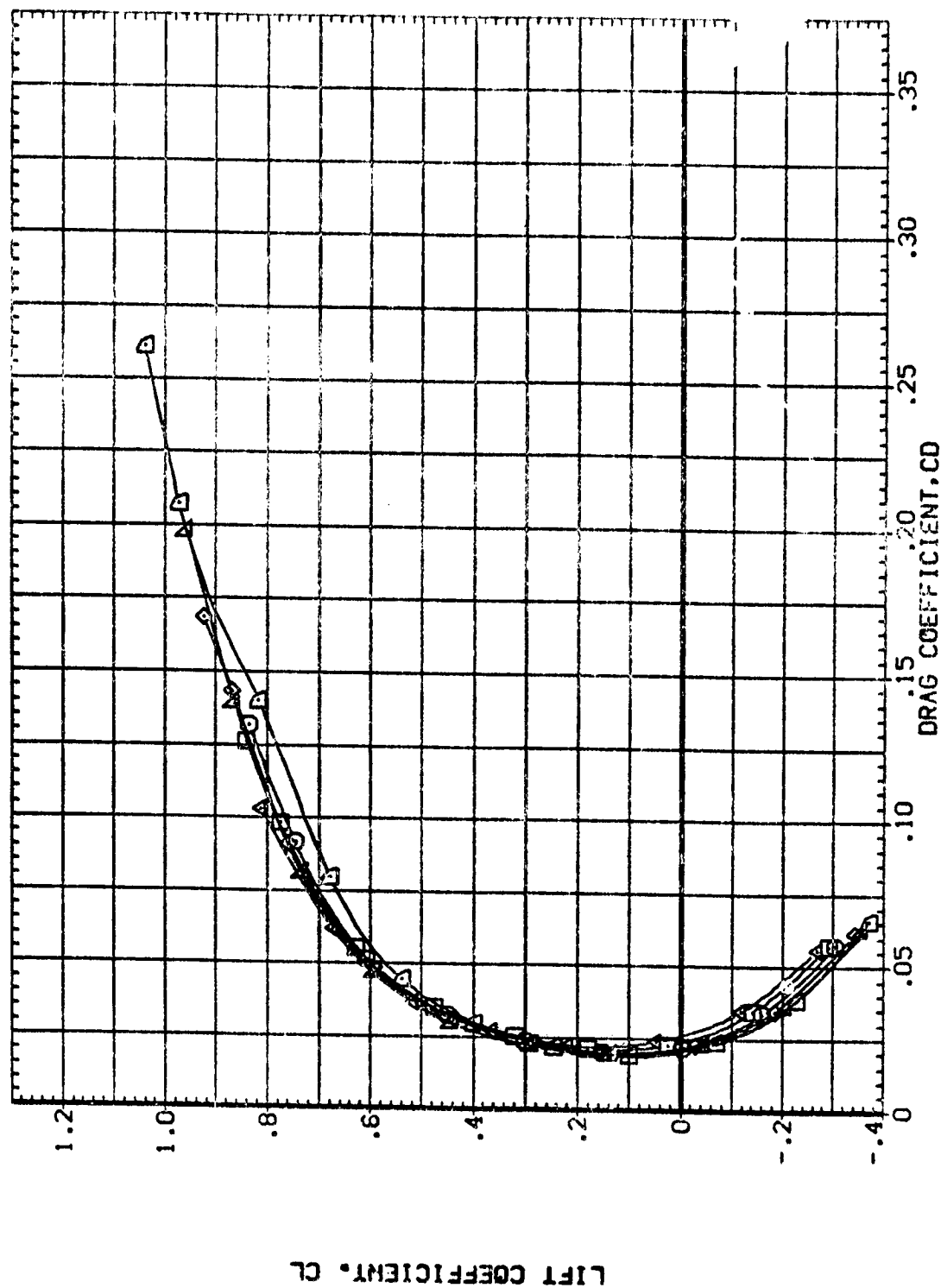


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
 (B)MACH = .80

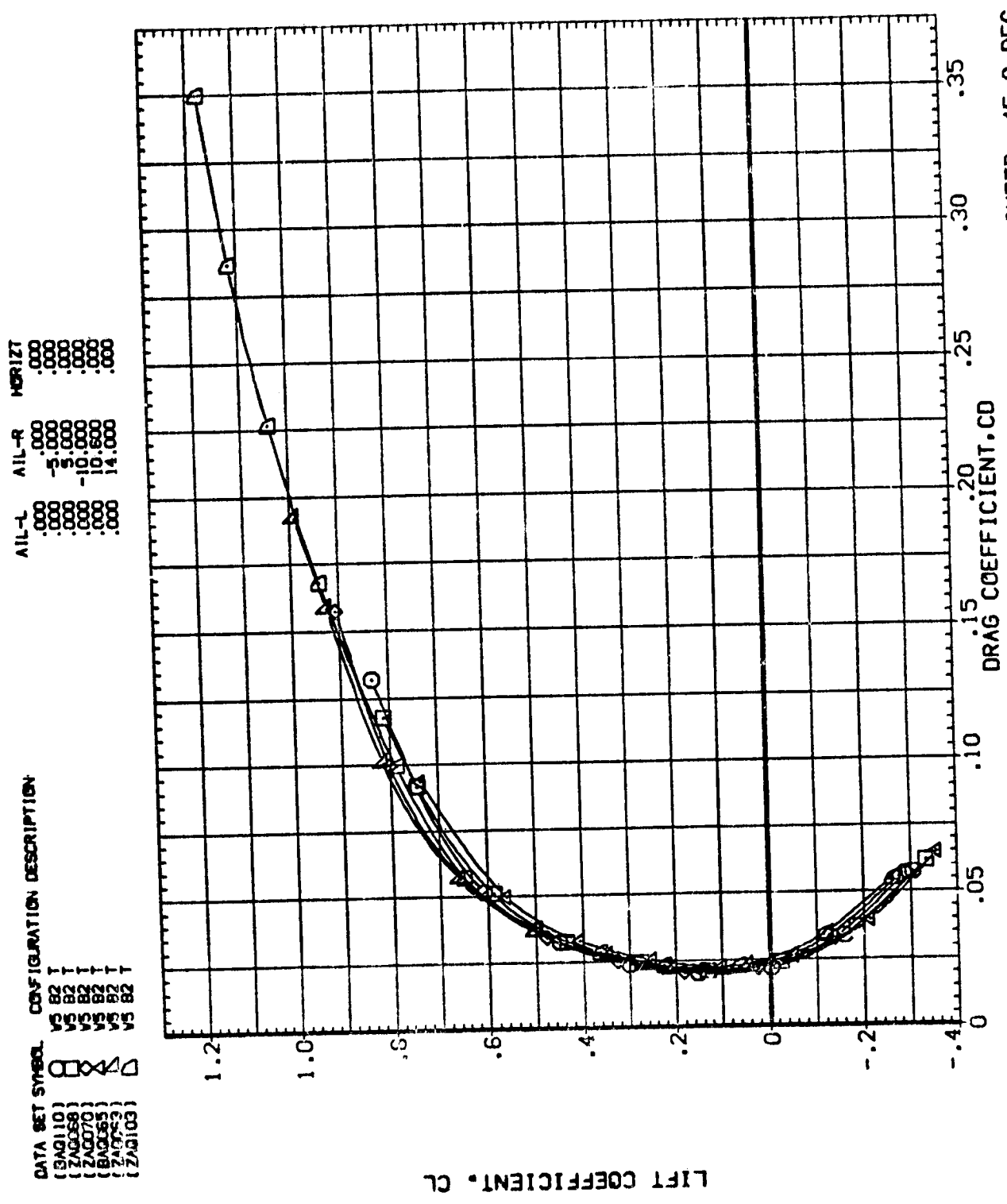


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.  
 (B)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110)  
(BA0086)  
(ZA0072)  
(BA0060)  
(ZA0058)  
(ZA0105)

V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

□ × △ ▽

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000  
-14.300 .000 .000

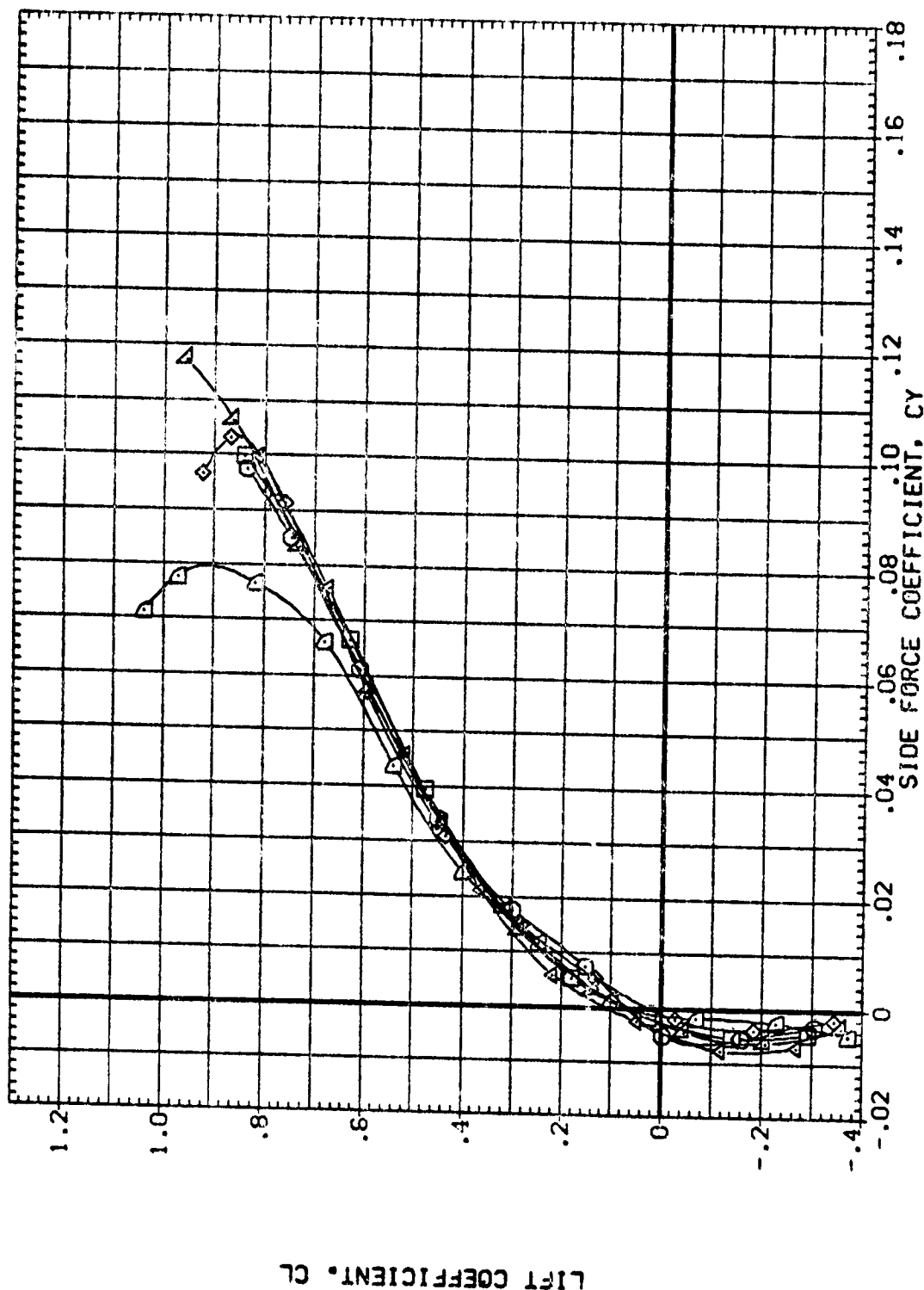


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OFAILERON DEFLECT., SWEEP =45.0 DEG.  
(B)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(BA0110)	V5 B2 T	.000	.000	.000
(ZA0068)	V5 B2 T	.000	-5.000	.000
(ZA0070)	V5 B2 T	.000	5.000	.000
(BA0065)	V5 B2 T	.000	-10.000	.000
(ZA0063)	V5 B2 T	.000	10.000	.000
(ZA0103)	V5 B2 T	.000	14.000	.000

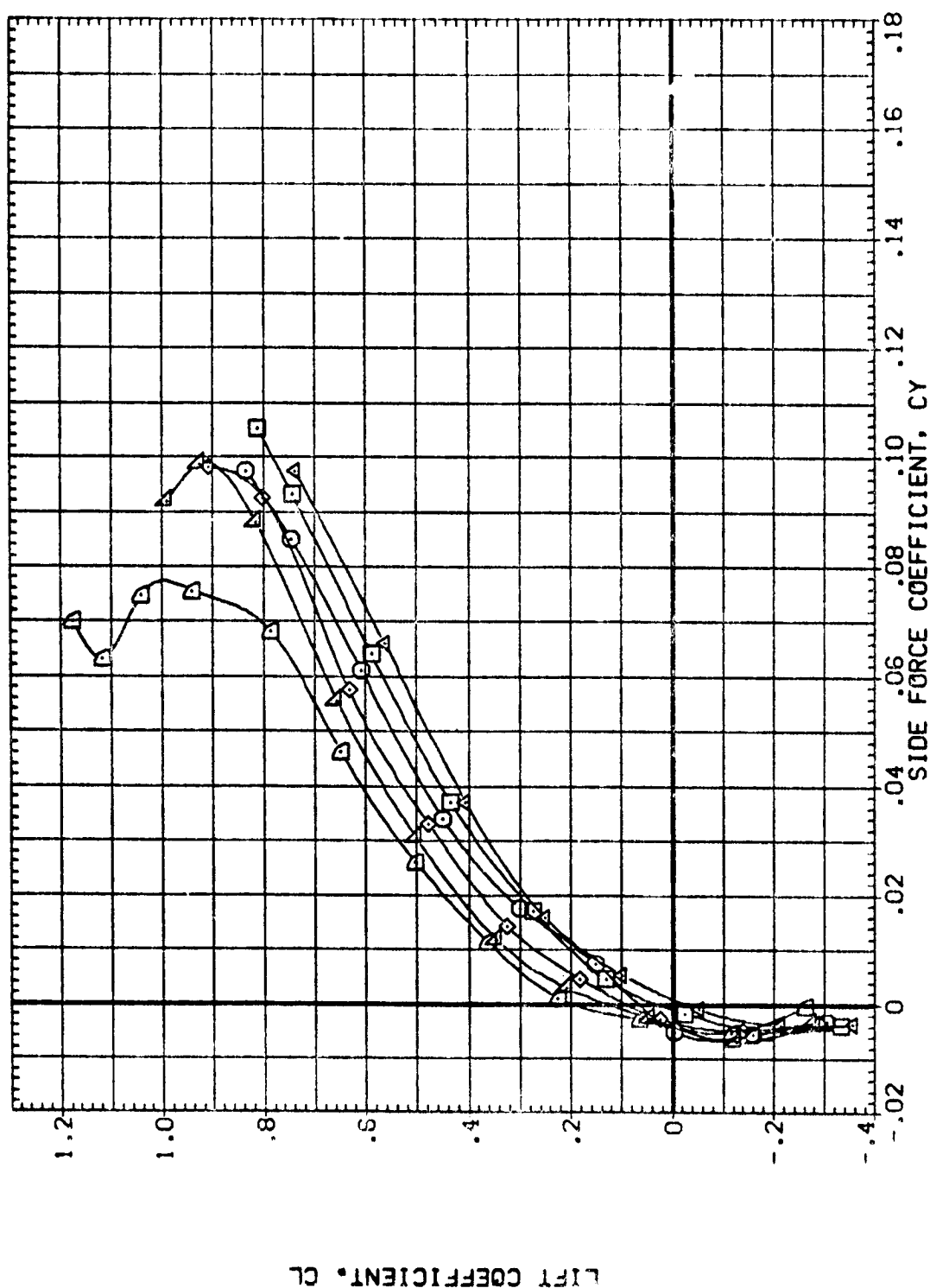


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.  
(B)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) VS B2 T  
 (BA0066) VS B2 T  
 (BA0072) VS B2 T  
 (BA0060) VS B2 T  
 (BA0058) VS B2 T  
 (BA0105) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

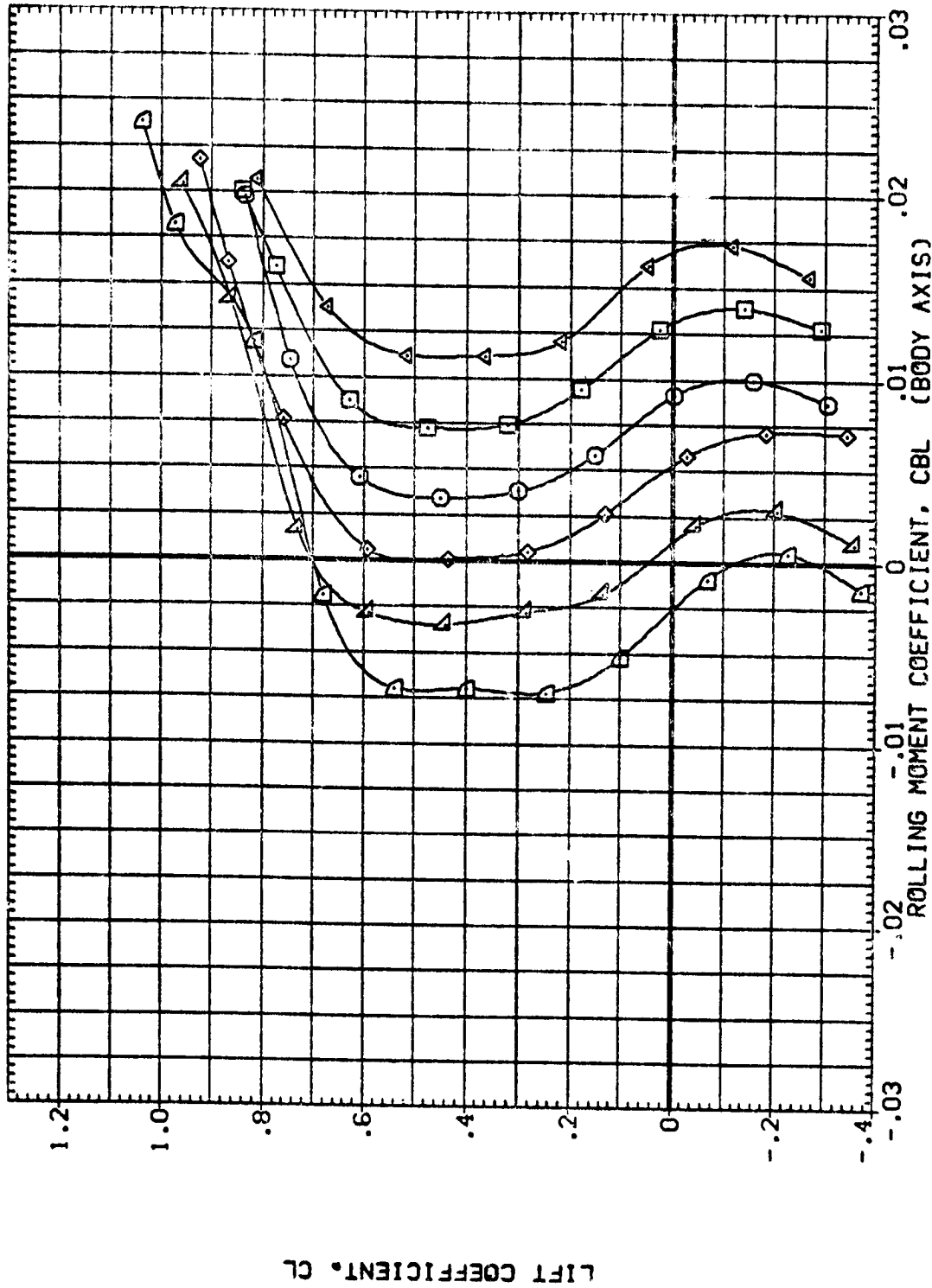


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(B)MACH = .80



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (3A0110) V5 B2 T  
 (3A0068) V5 B2 T  
 (3A0070) V5 B2 T  
 (3A0065) V5 B2 T  
 (3A0063) V5 B2 T  
 (3A0103) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

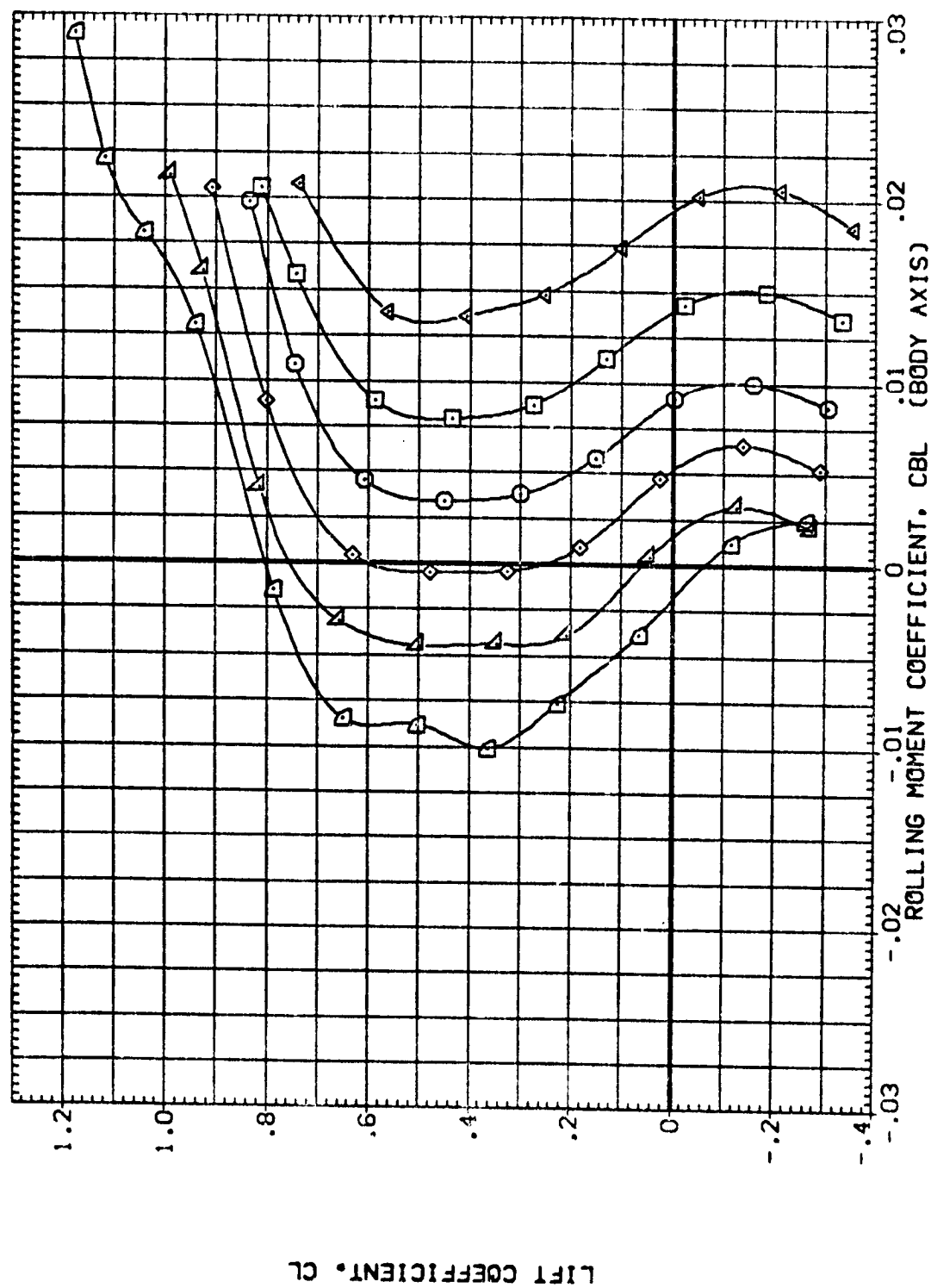


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(B)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110)	V5 B2 T
(BA0086)	V5 B2 T
(ZA0072)	V5 B2 T
(BA0060)	V5 B2 T
(ZA0058)	V5 B2 T
(ZA0105)	V5 B2 T

AIL-L AIL-R HORIZT

.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

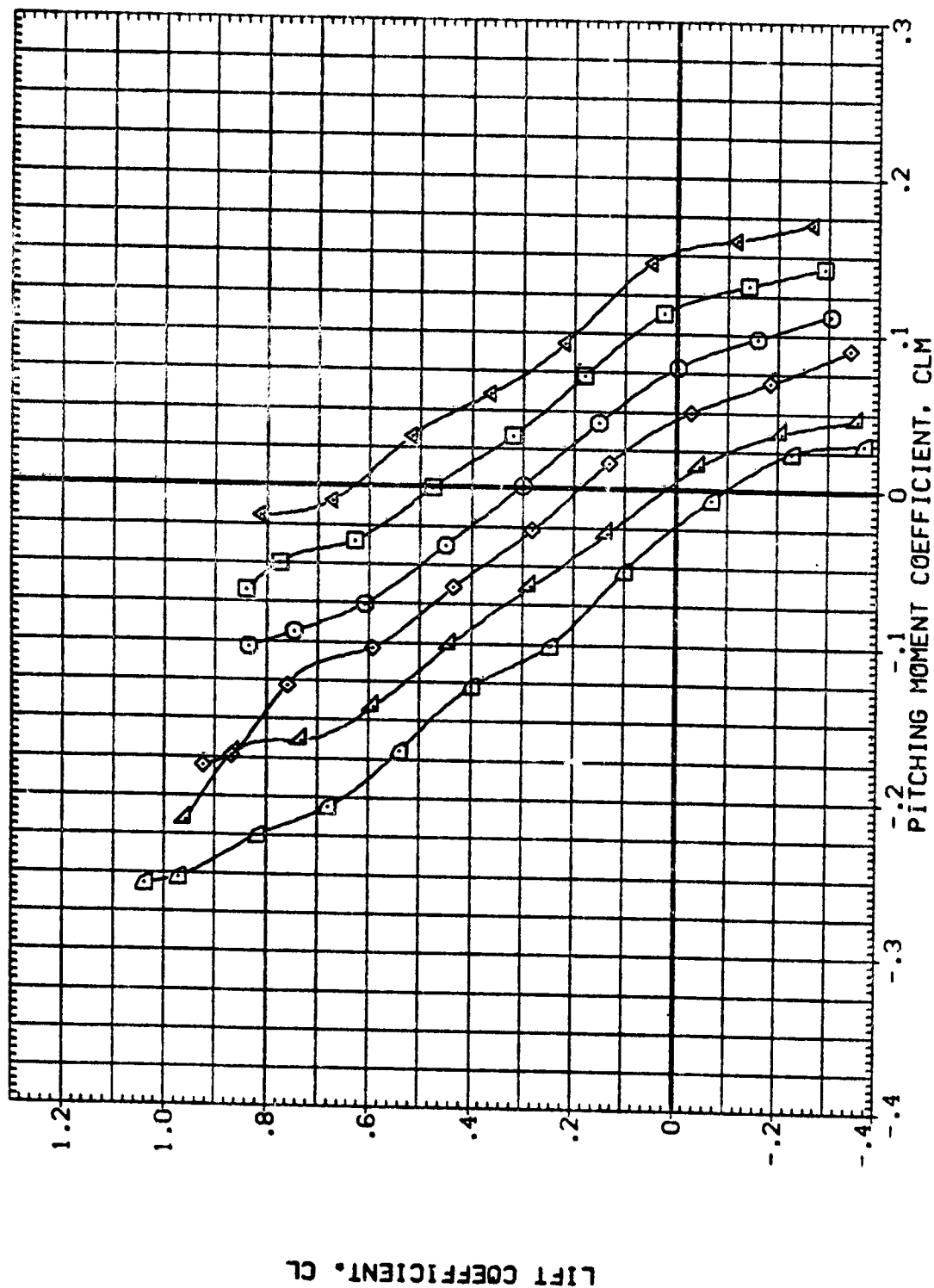


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.  
(B)MACH = .80

DATA SET SYMBOL      CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(BA0110)	V5 B2 T	.000	.000	.000
(ZAG068)	V5 B2 T	.000	-5.000	.000
(ZAG070)	V5 B2 T	.000	5.000	.000
(BA0065)	V5 B2 T	.000	-10.000	.000
(ZAG063)	V5 B2 T	.000	10.000	.000
(ZAG103)	V5 B2 T	.000	14.000	.000

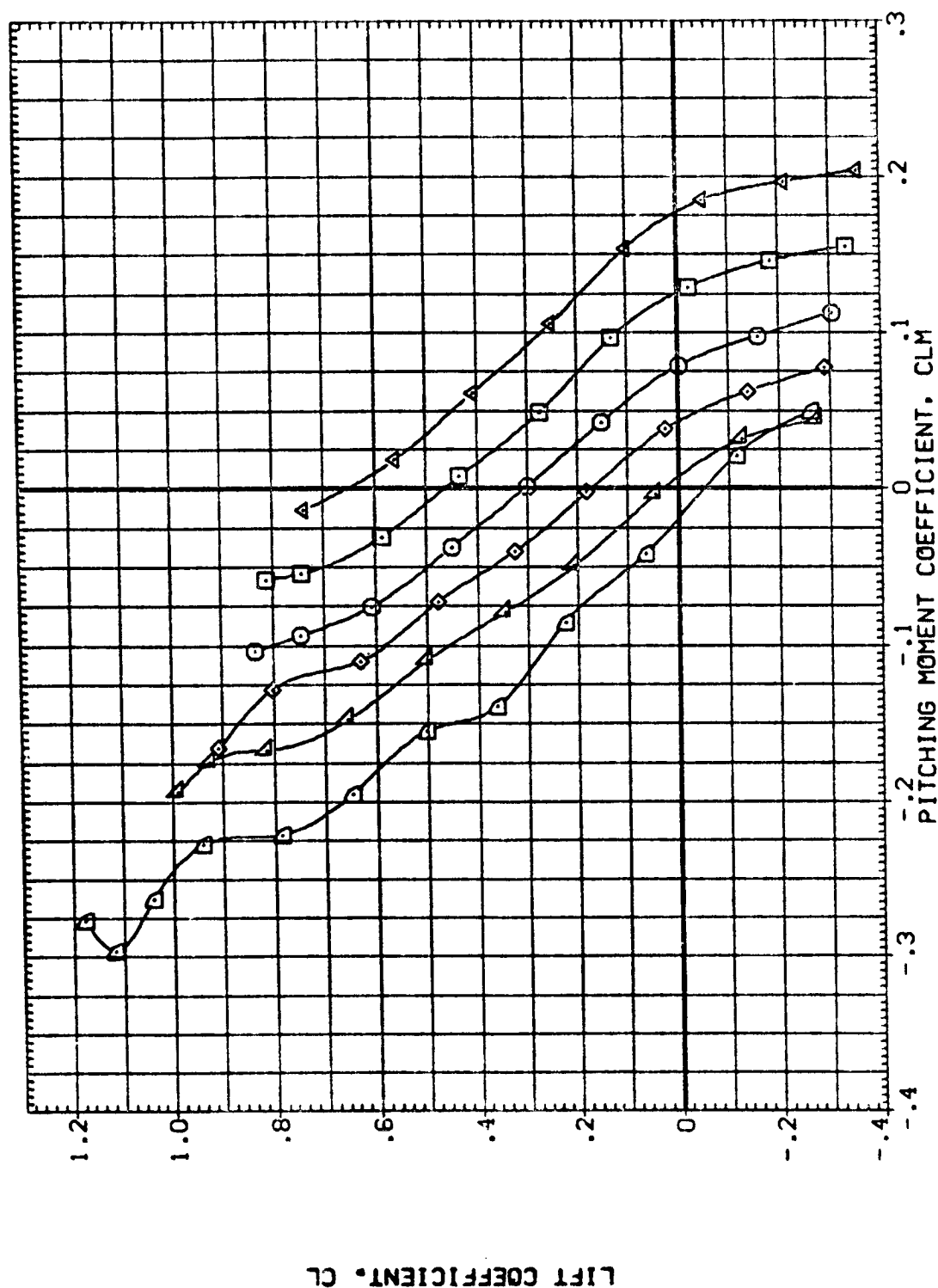


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.  
(B)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(BA0116)	V5 B2 T	.000	.000	.000
(BA0086)	V5 B2 T	5.000	.000	.000
(ZAG072)	V5 B2 T	-5.000	.000	.000
(BA0060)	V5 B2 T	10.100	.000	.000
(ZAG053)	V5 B2 T	-10.700	.000	.000
(ZAG105)	V5 B2 T	-14.300	.000	.000

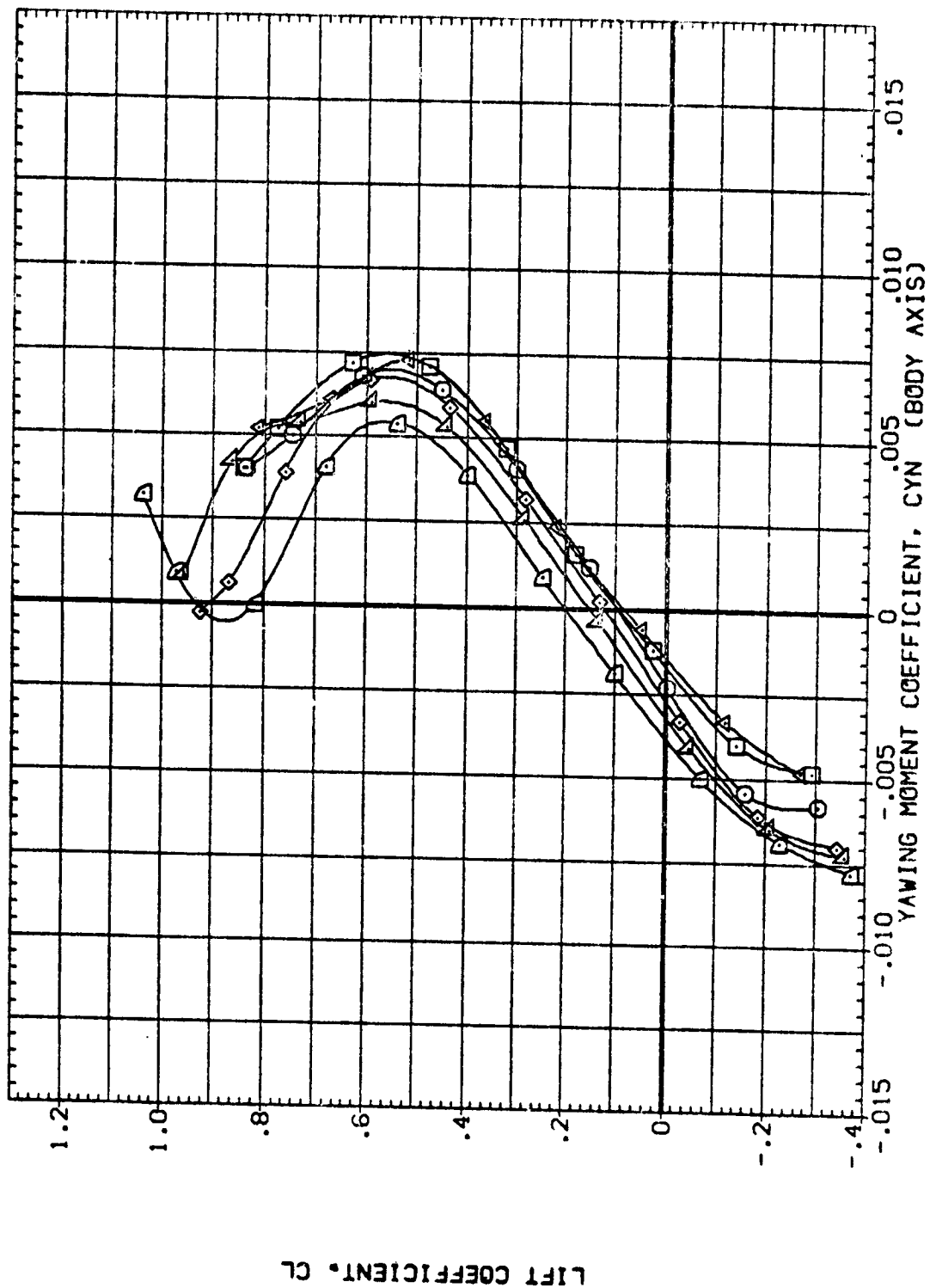


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
(B)MACH = .80

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BAG110)  
(ZAG069)  
(ZAG070)  
(BAG065)  
(ZAG063)  
(ZAG103)

V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 -5.000 .000  
.000 5.000 .000  
.000 -10.000 .000  
.000 10.000 .000  
.000 14.000 .000

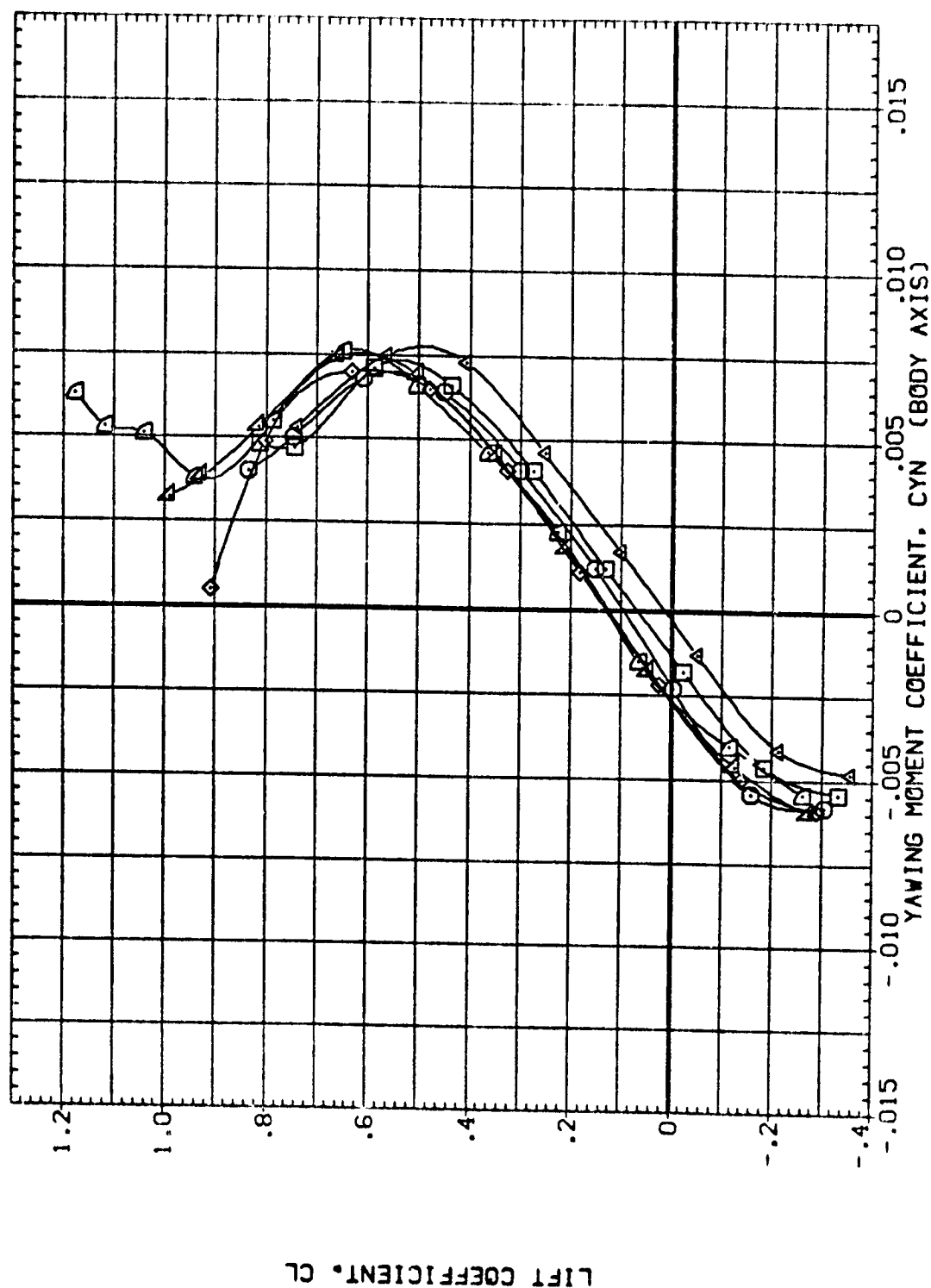


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

(B)MACH = .80

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110) VS B2 T  
 (BA0066) VS B2 T  
 (ZA0072) VS B2 T  
 (BA0060) VS B2 T  
 (ZA0058) VS B2 T  
 (ZA0105) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

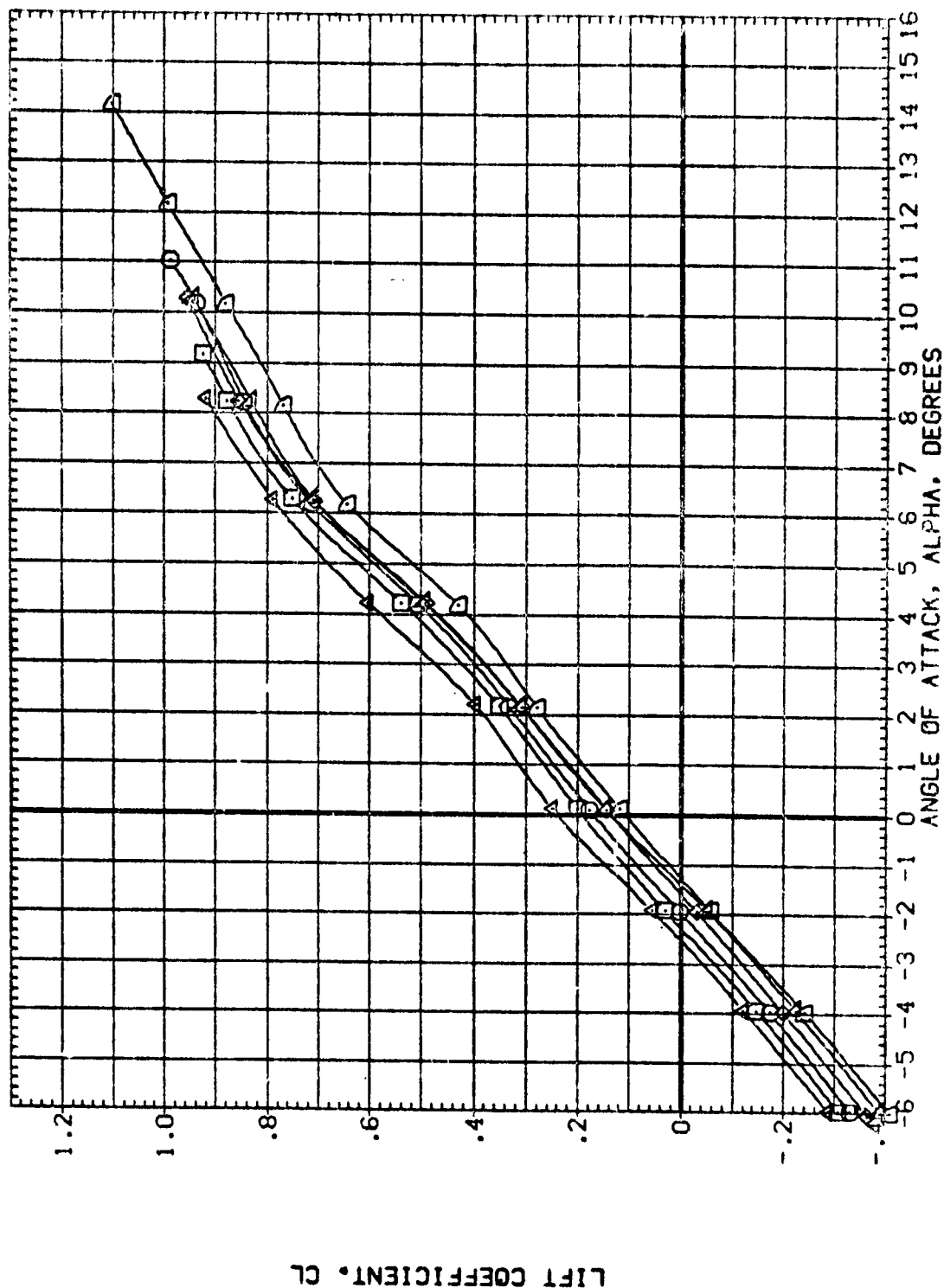


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

(C)MACH = .95

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RAG110)	VS B2 T	AIL-L	AIL-R	HORIZT
(ZAG068)	VS B2 T	.000	.000	.000
(ZAG070)	VS B2 T	.000	-5.000	.000
(BAG025)	VS B2 T	.000	5.000	.000
(ZAG093)	VS B2 T	.000	-10.000	.000
(ZAG103)	VS B2 T	.000	10.000	.000

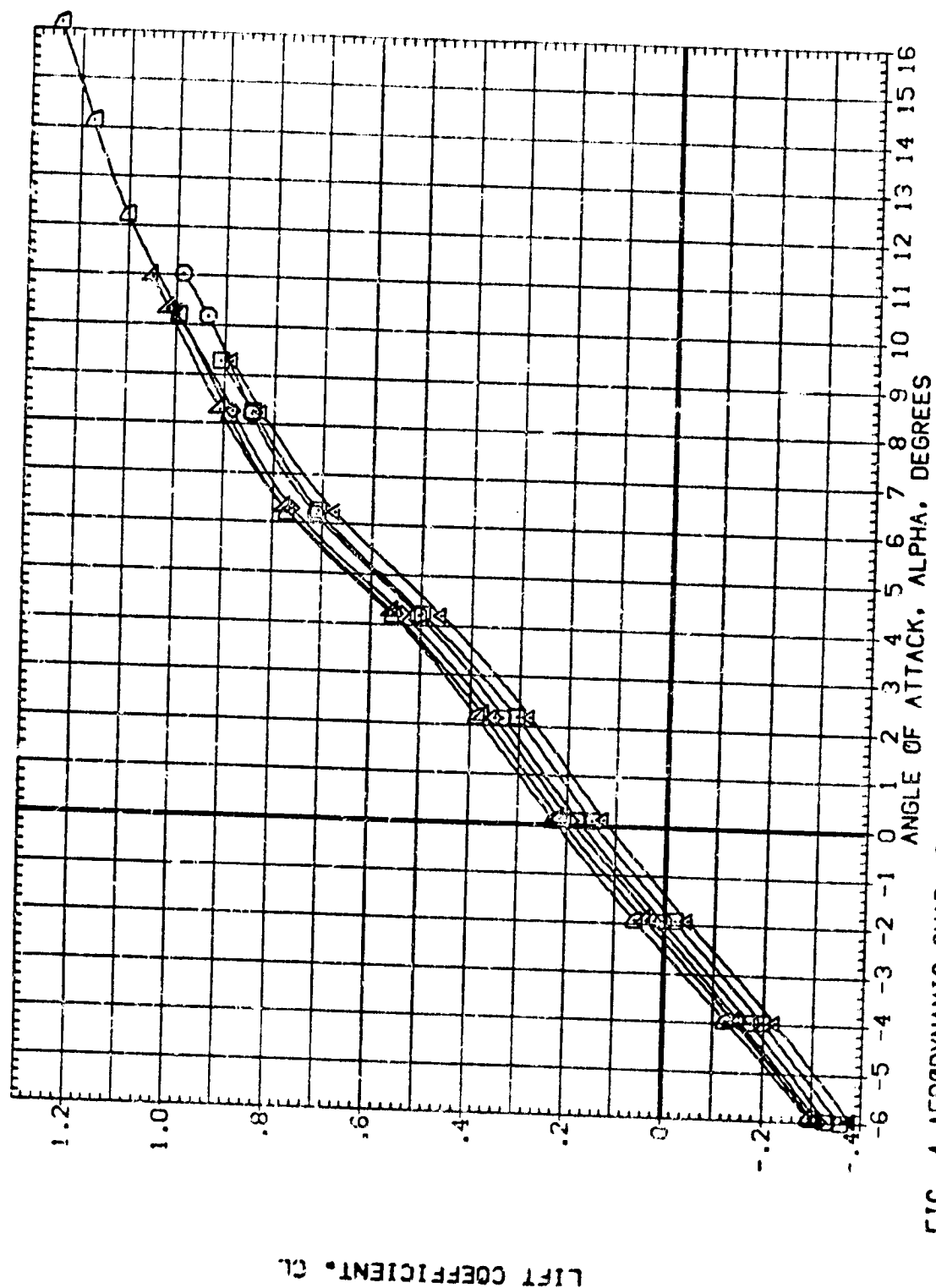


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
(C)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) VS B2 T  
 (BA0086) VS B2 T  
 (ZA0072) VS B2 T  
 (BA0060) VS B2 T  
 (ZA0058) VS B2 T  
 (ZA0105) VS B2 T

AIL-L AIL-R CRIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

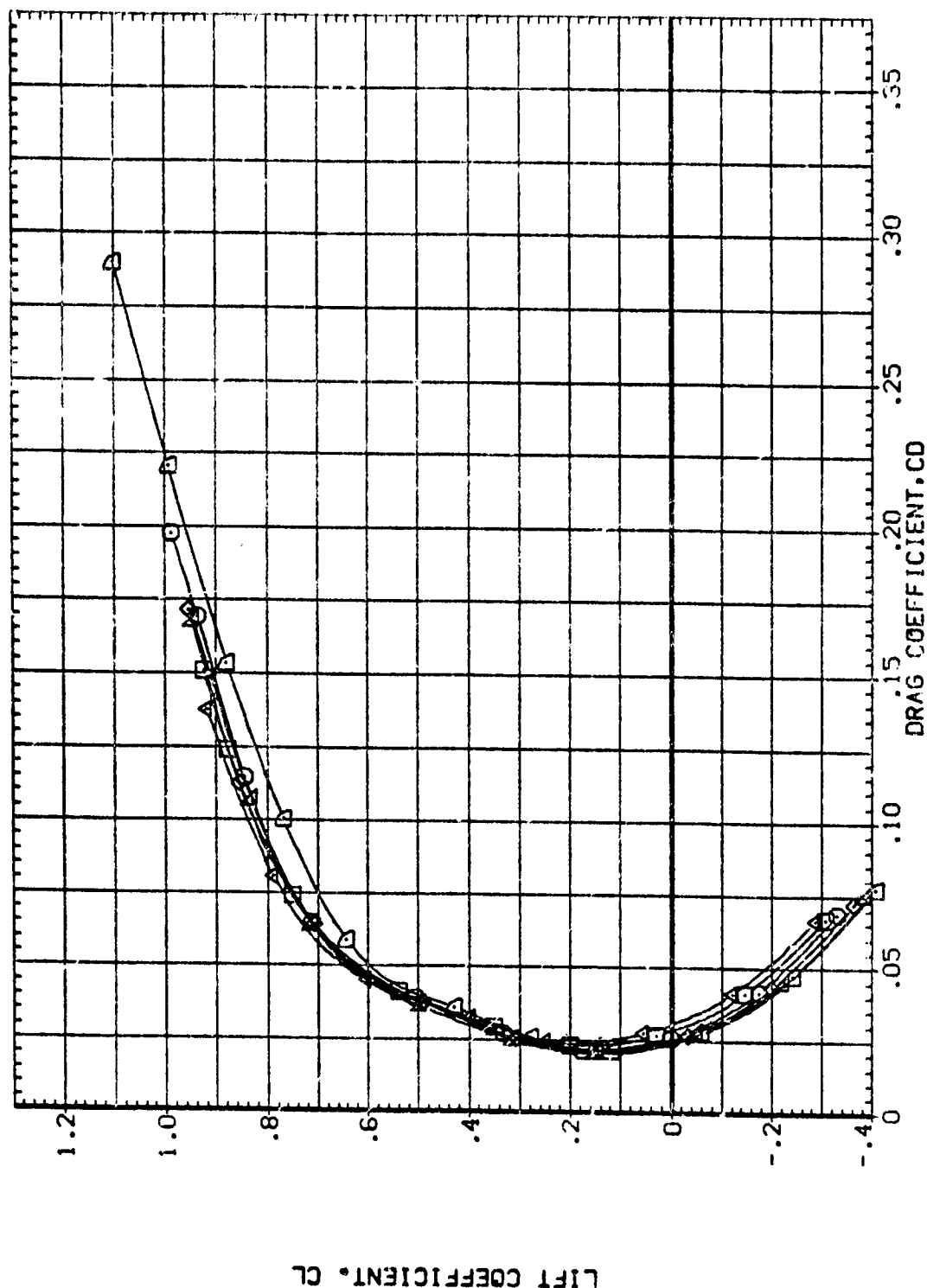


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

(C)MACH = .95



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) VS B2 T  
 (ZAG058) VS B2 T  
 (ZAG070) VS B2 T  
 (BAG065) VS B2 T  
 (ZAG063) VS B2 T  
 (ZAG103) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

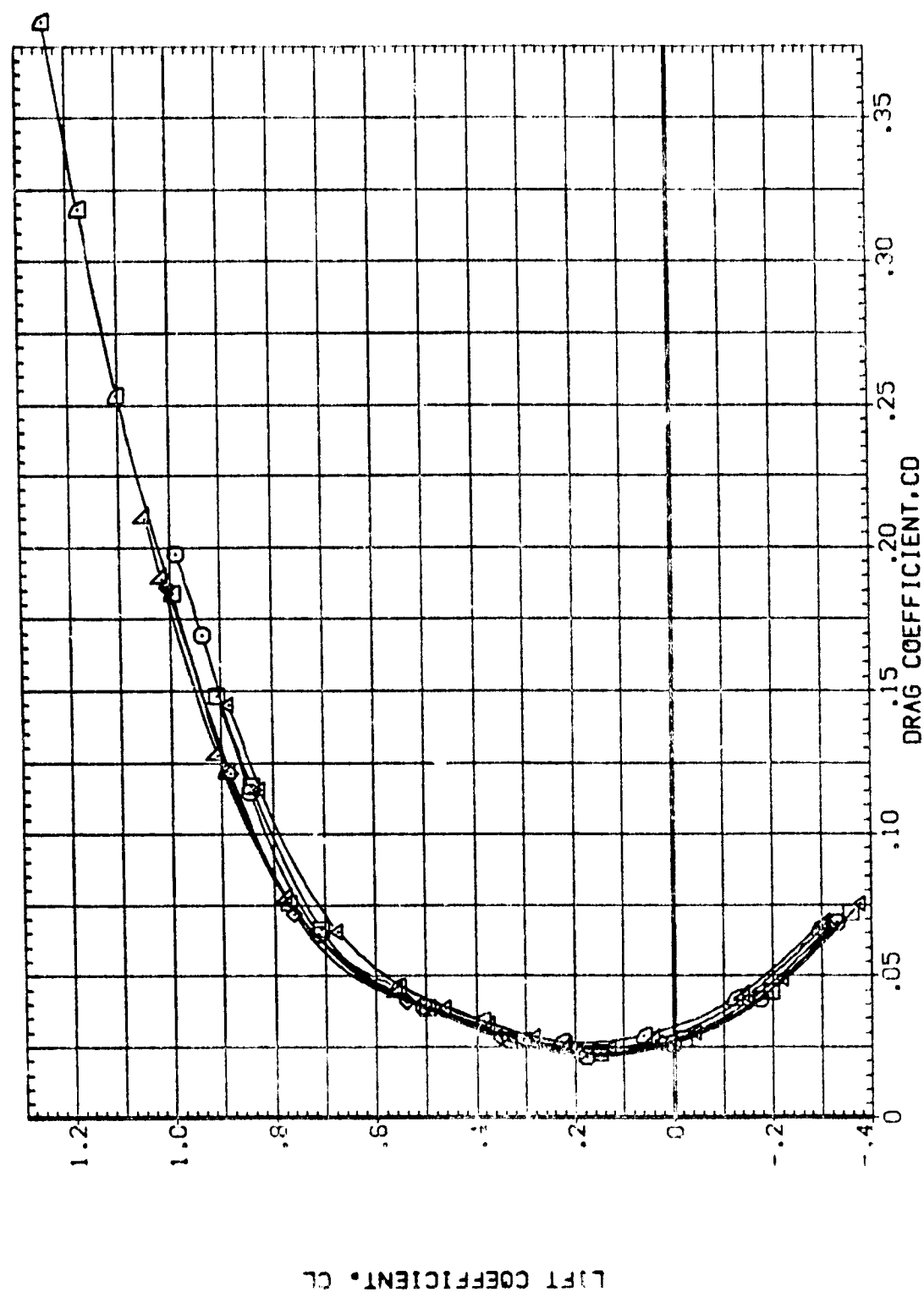


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 15.0 DEG.

(C)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BAG110)	V5 B2 T
(BAG086)	V5 B2 T
(ZAG072)	V5 B2 T
(BAG060)	V5 B2 T
(ZAG258)	V5 B2 T
(ZAG105)	V5 B2 T

AIR-L	AIR-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

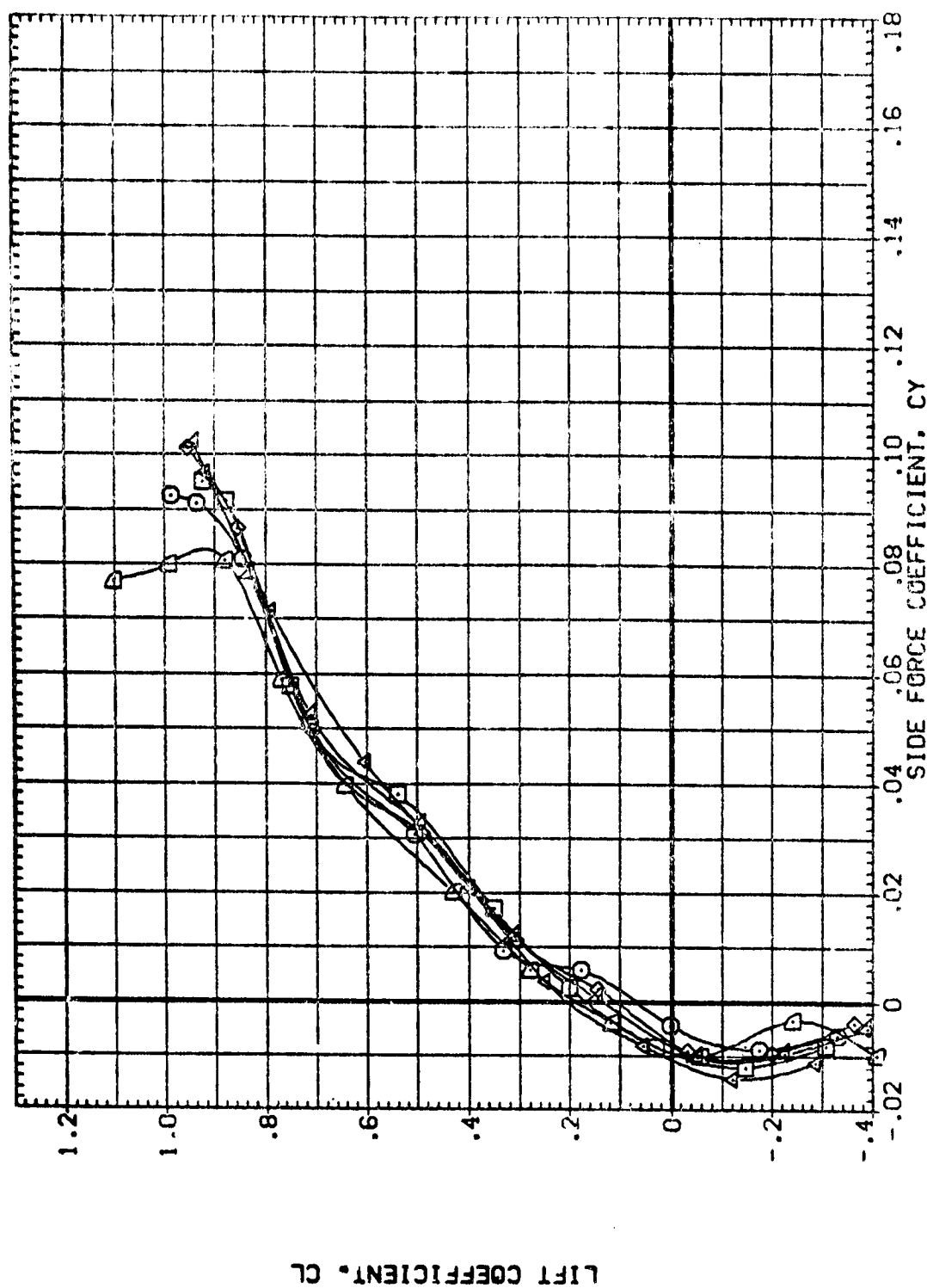


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEPT = 45.0 DEG.

(C)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(BA0110)	V5 B2 T	.000	.000	.000
(ZAG068)	V5 B2 T	.000	-5.000	.000
(ZAG070)	V5 B2 T	.000	5.000	.000
(BA0065)	V5 B2 T	.000	-10.000	.000
(ZAG063)	V5 B2 T	.000	10.000	.000
(ZAG103)	V5 B2 T	.000	14.000	.000

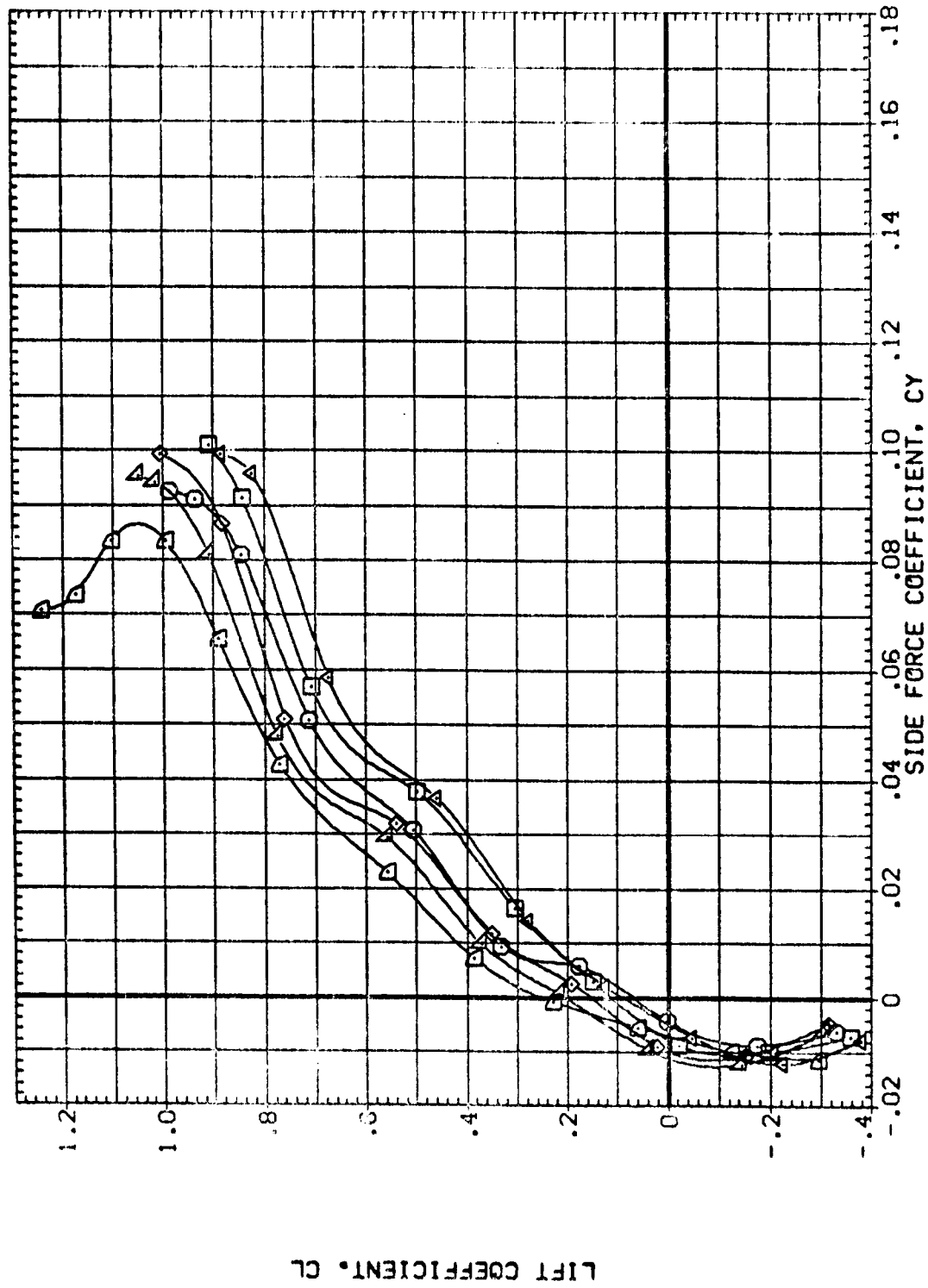


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
 (C)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BAQ1110)	V5 B2 T
(BAQ0066)	V5 B2 T
(BAQ0072)	V5 B2 T
(BAQ0060)	V5 B2 T
(BAQ0058)	V5 B2 T
(BAQ0105)	V5 B2 T

AIL-L AIL-R HORIZT

AIL-L	AIL-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

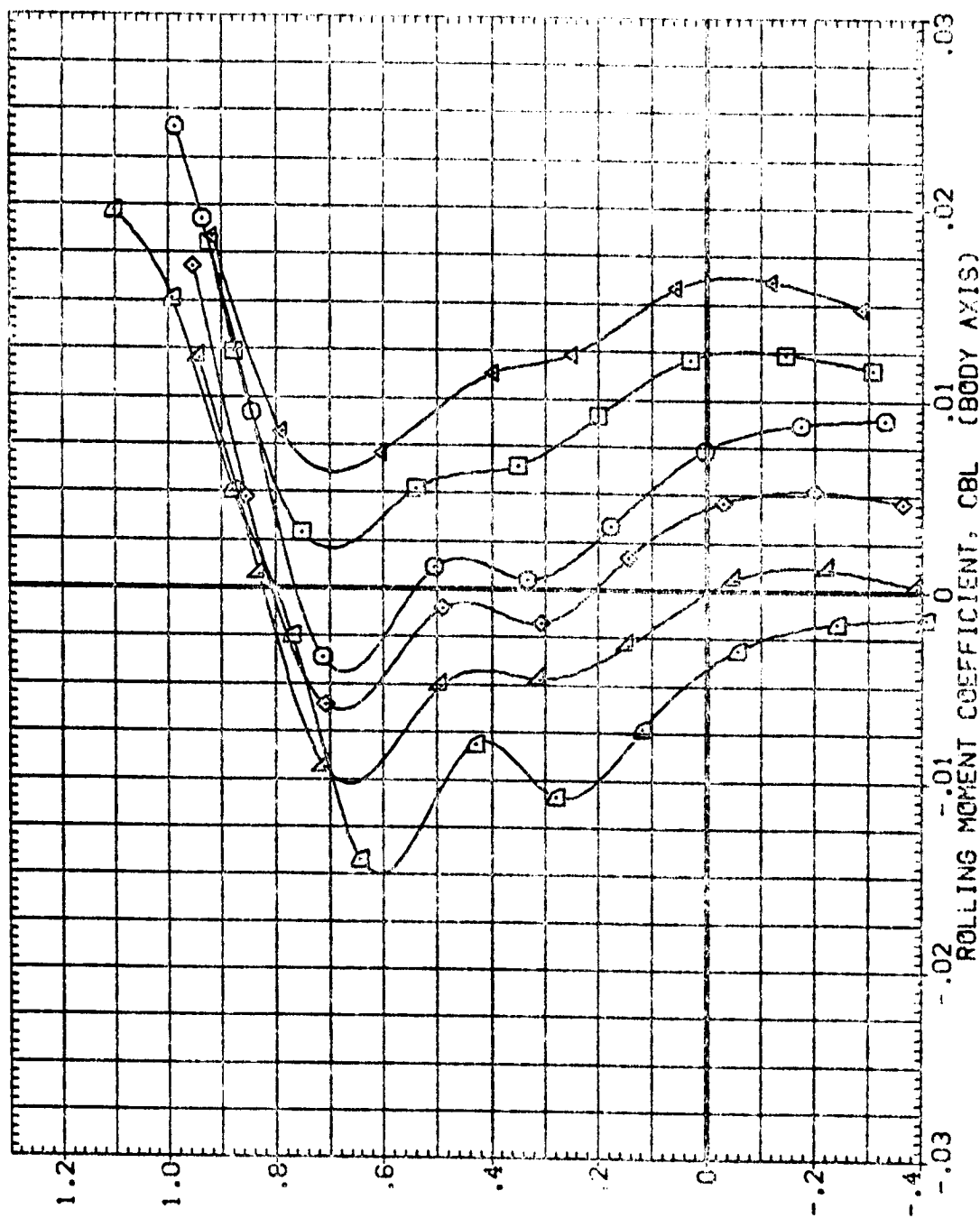


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEPT = 45.0 DEG.  
(C)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(2A0110) V5 B2 T  
 (2A0058) V5 B2 T  
 (2A0070) V5 B2 T  
 (8A0065) V5 B2 T  
 (7A0063) V5 B2 T  
 (2A0103) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

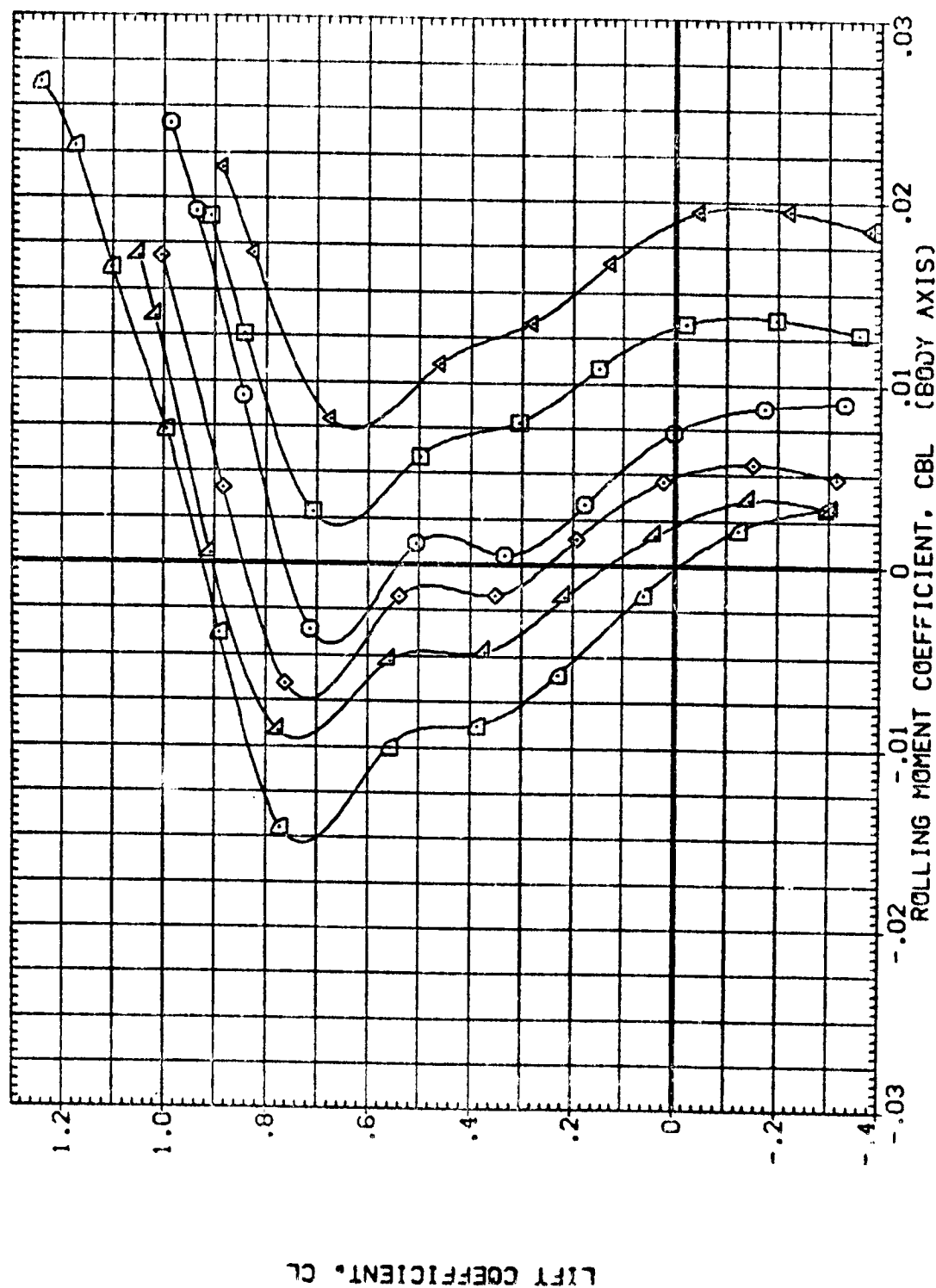


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(C)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAQ110) VS B2 I  
 (BAQ066) VS B2 I  
 (ZAG072) VS B2 I  
 (BAQ060) VS B2 I  
 (ZAG058) VS B2 I  
 (ZAG105) VS B2 I

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

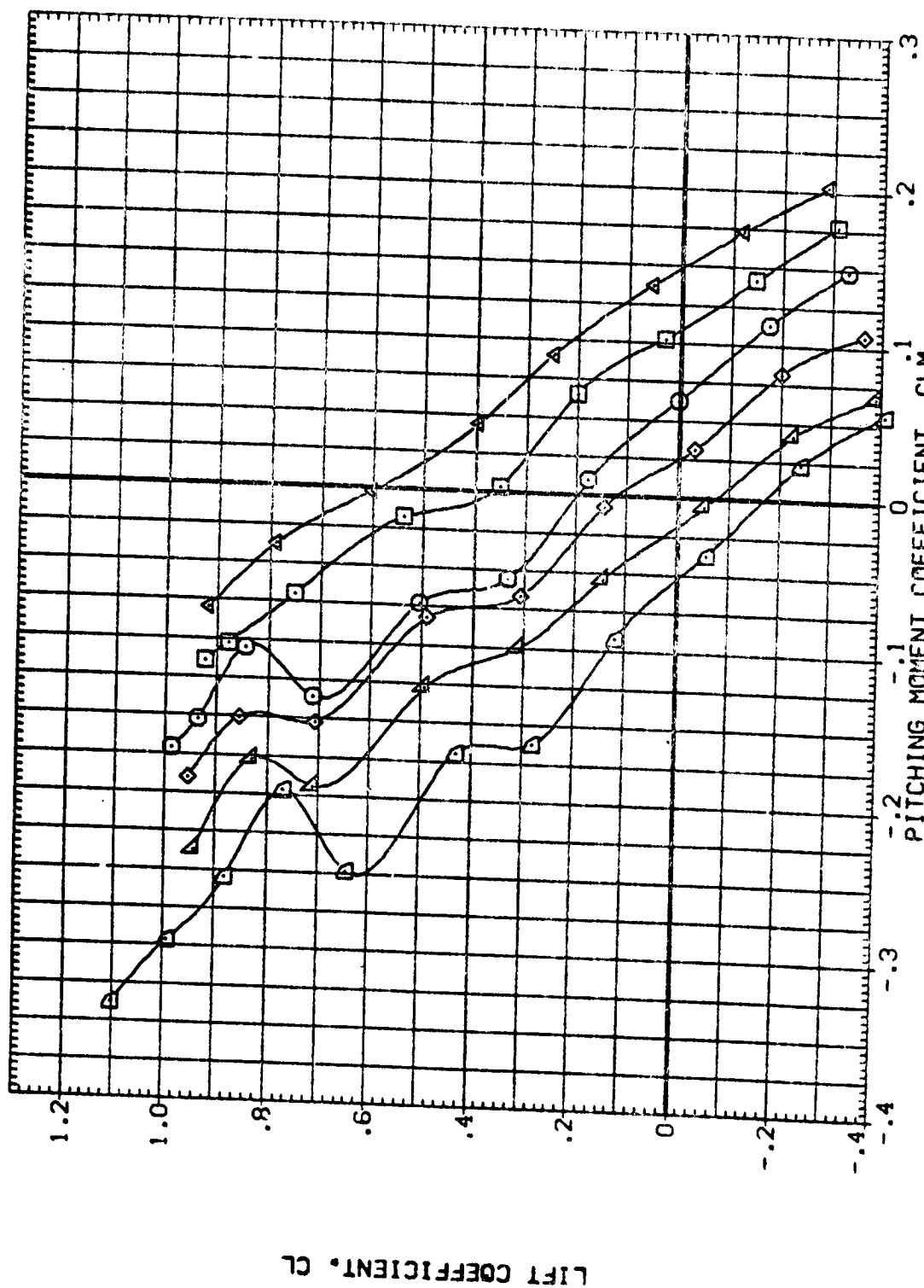


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
 (C)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BAQ110) VS B2 T  
 (ZAG068) VS B2 T  
 (ZAG070) VS B2 T  
 (BAQ065) VS B2 T  
 (ZAG063) VS B2 T  
 (ZAG103) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.500 .000  
 .000 14.000 .000

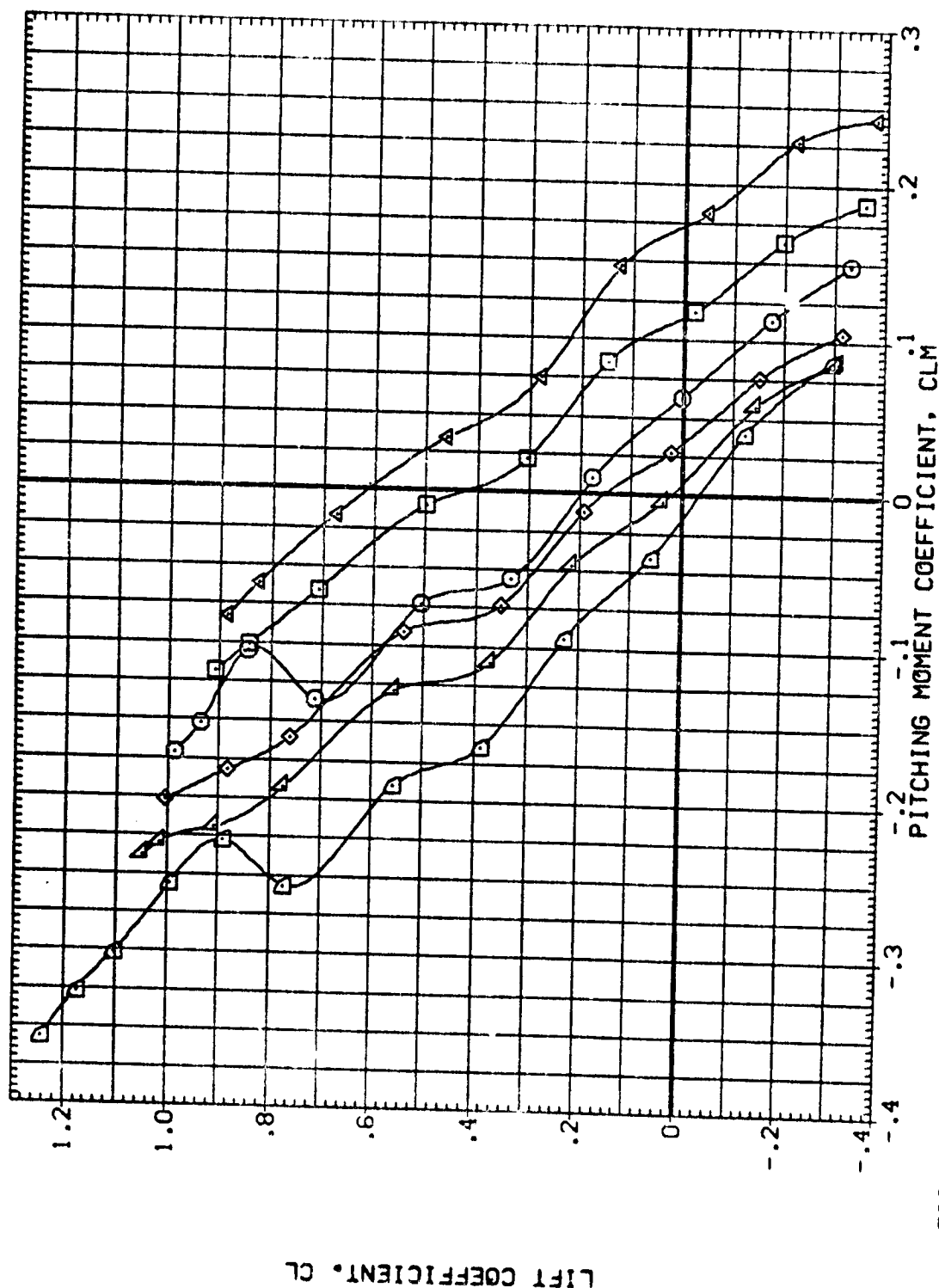


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.  
 (C)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) VS B2 T  
 (BA0066) VS B2 T  
 (ZAG072) VS B2 T  
 (BA0060) VS B2 T  
 (ZAG058) VS B2 T  
 (ZAG105) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

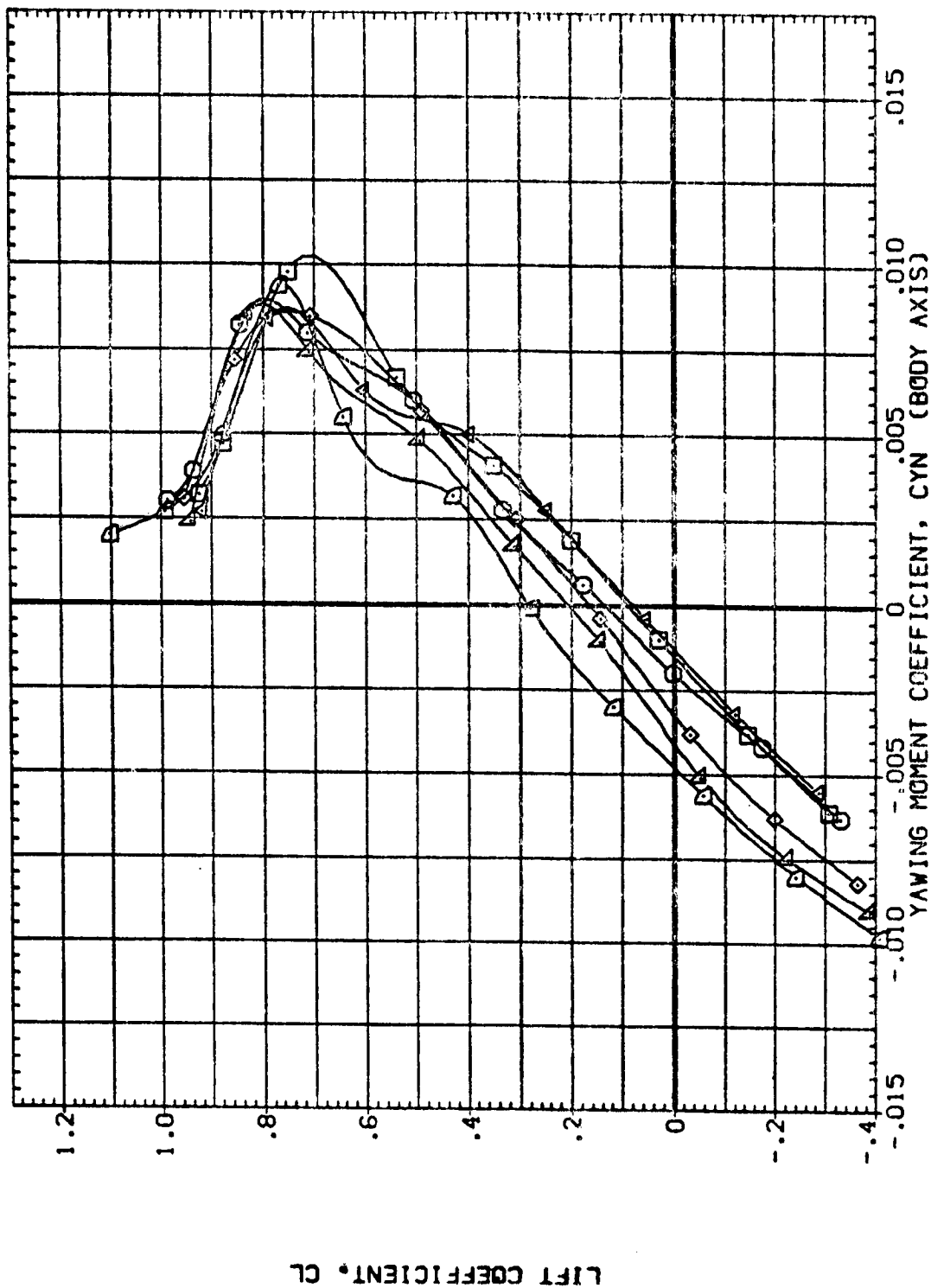


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

(C)MACH = .95



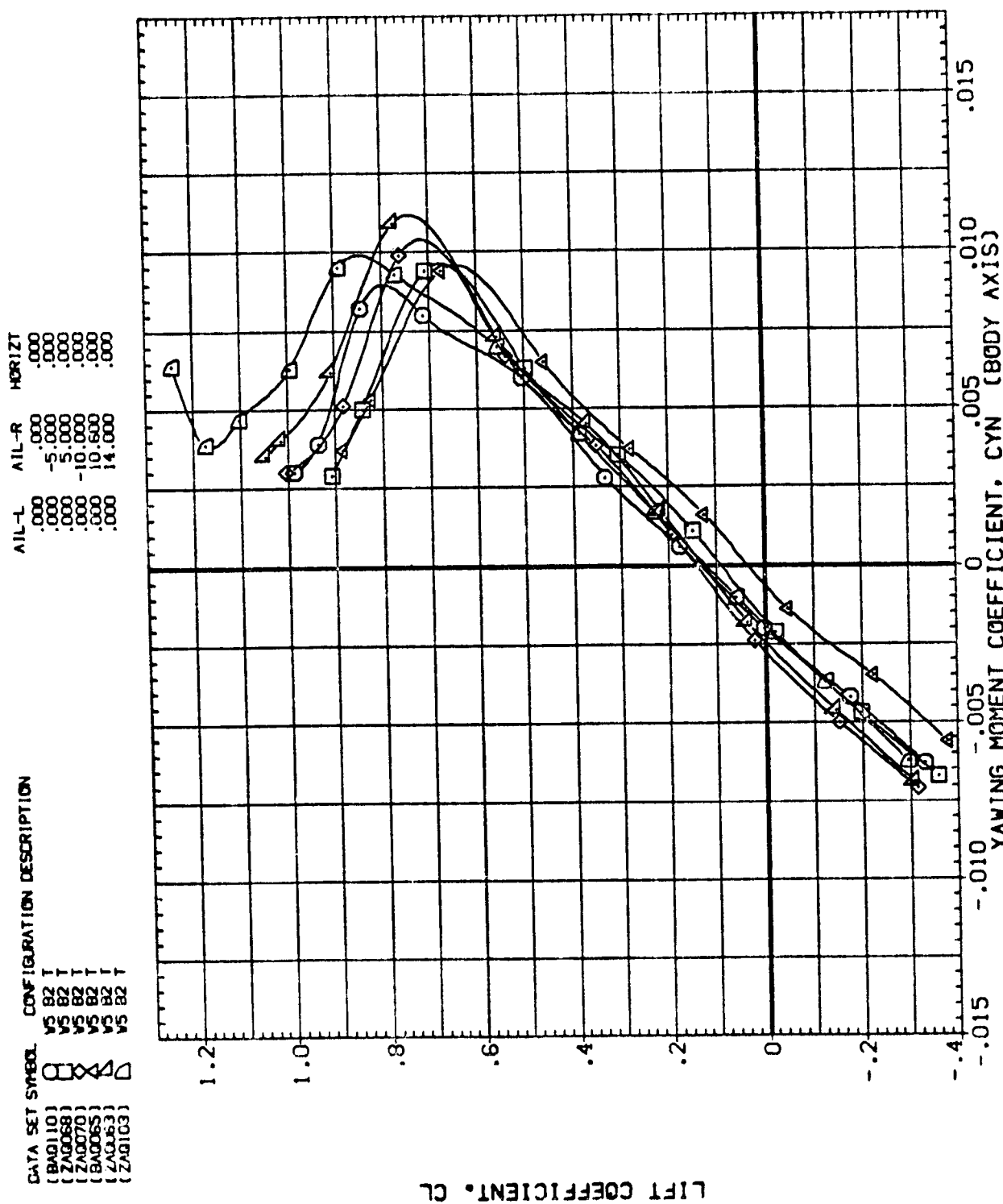


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
(CJMACH = .95) PAGE 55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110) V5 B2 T  
 (BA0086) V5 B2 T  
 (ZA0072) V5 B2 T  
 (BA0060) V5 B2 T  
 (ZA0058) V5 B2 T  
 (ZA0105) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

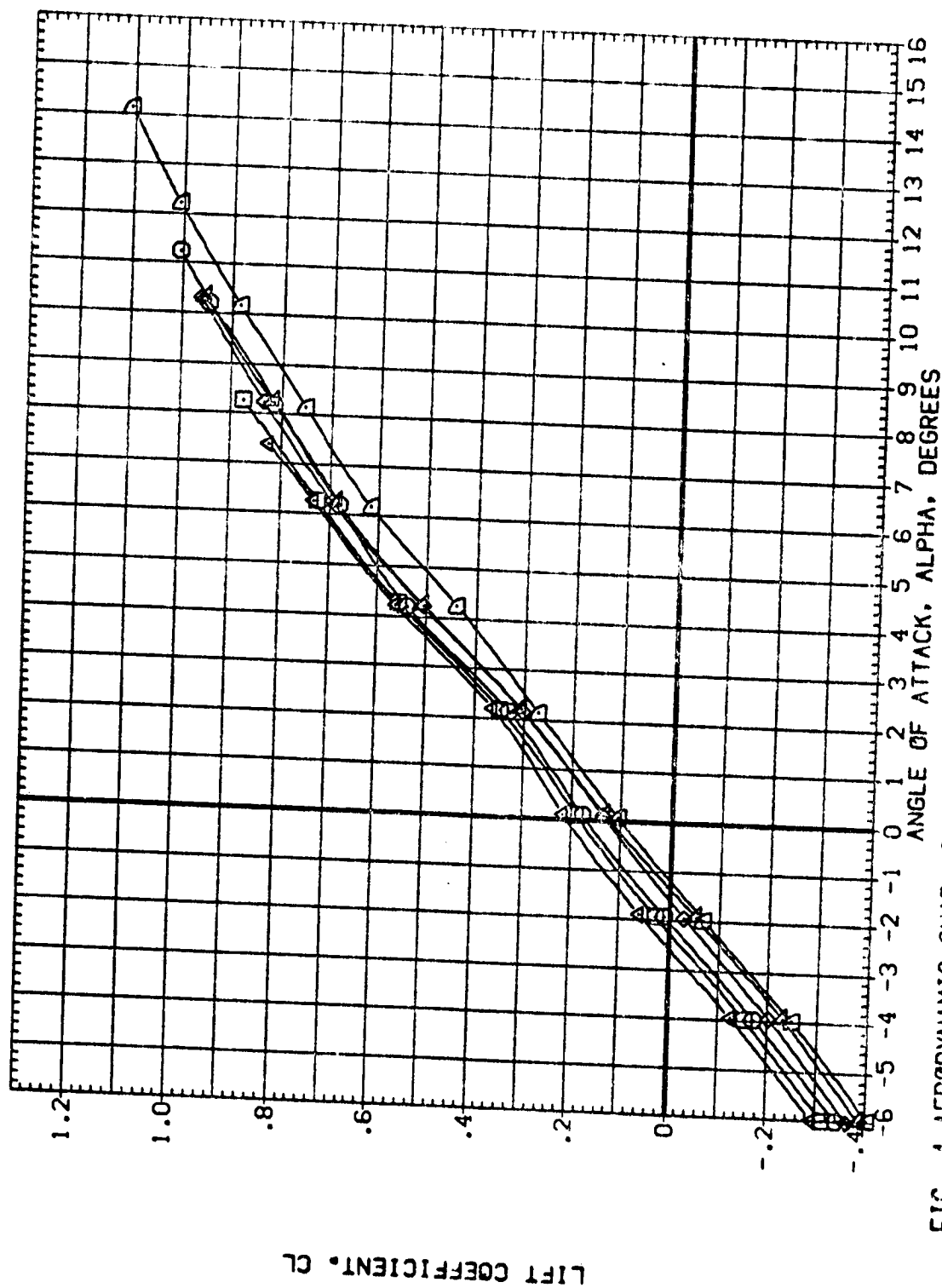







FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.  
 (D)MACH = .98



# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BAQ110)  V5 B2 I  
 (BAQ086)  V5 B2 I  
 (ZAG072)  V5 B2 I  
 (BAQ060)  V5 B2 I  
 (ZAG058)  V5 B2 I  
 (ZAG105)  V5 B2 I

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

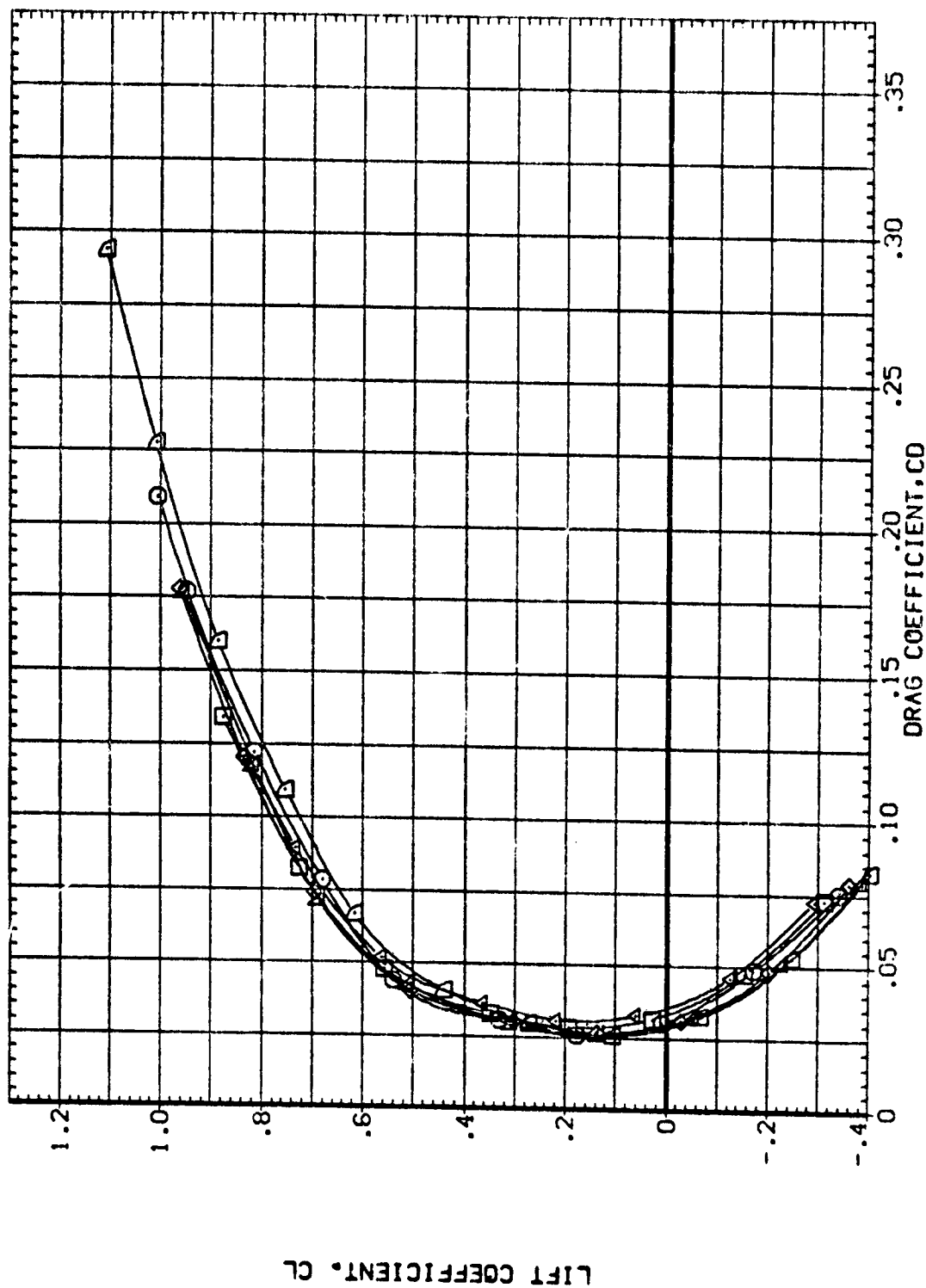


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OFAILERON DEFLECT., SWEEP =45.0 DEG.

(O)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) V5 B2 T  
 (ZA0068) V5 B2 T  
 (ZA0070) V5 B2 T  
 (SA0065) V5 B2 T  
 (ZAC063) V5 B2 T  
 (ZA0103) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

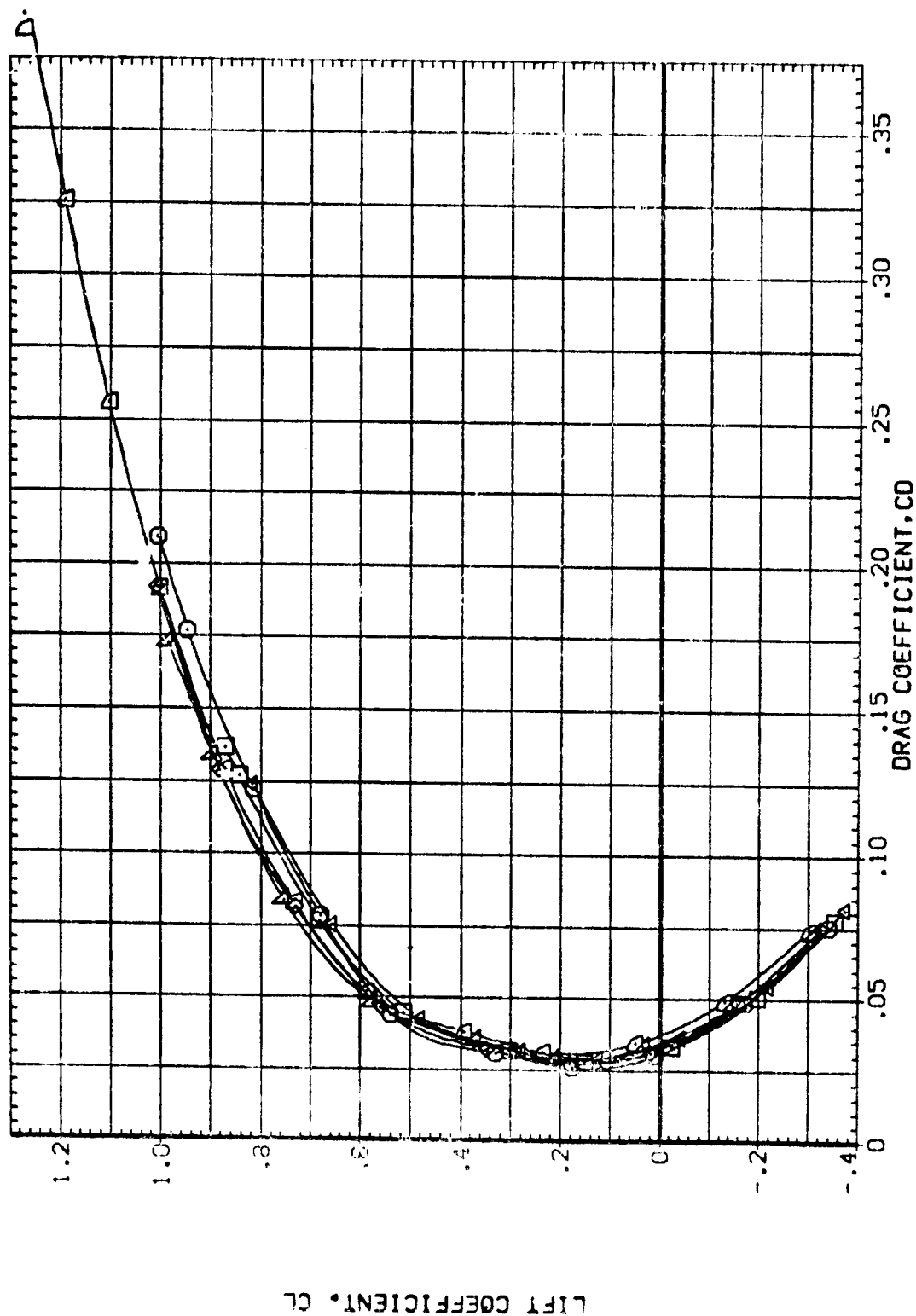


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

(D)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) V5 B2 T  
 (BA0086) V5 B2 T  
 (ZA0072) V5 B2 T  
 (BA0060) V5 B2 T  
 (ZA0058) V5 B2 T  
 (ZA0105) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

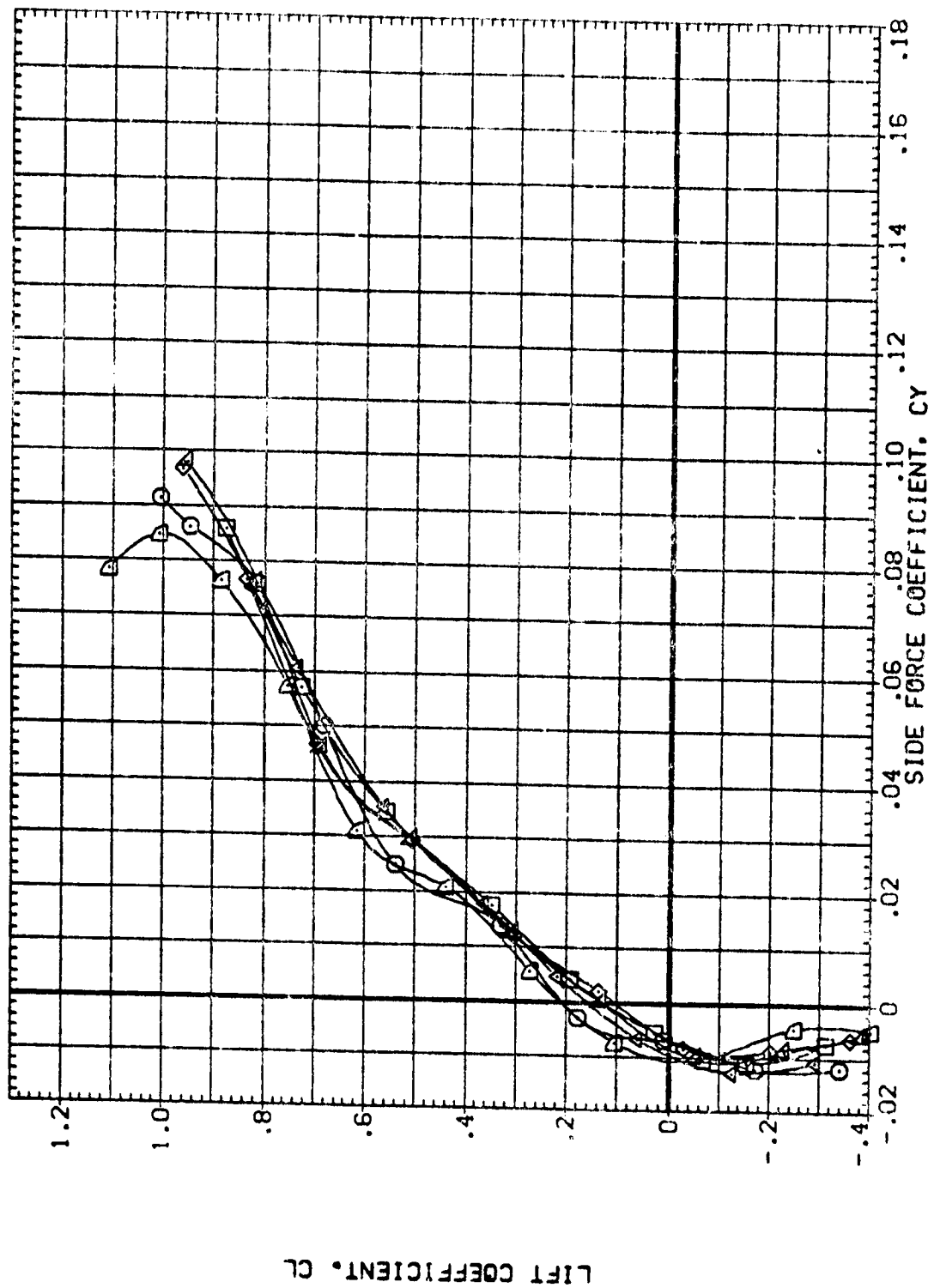


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
 (O)MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(3A0110)	V5 B2 T	.000	.000	.000
(2A0058)	V5 B2 T	.000	.000	.000
(2A0070)	V5 B2 T	.000	.000	.000
(2A0065)	V5 B2 T	.000	.000	.000
(2A0063)	V5 B2 T	.000	.000	.000
(2A0103)	V5 B2 T	.000	.000	.000

(3A0110)  
 (2A0058)  
 (2A0070)  
 (2A0065)  
 (2A0063)  
 (2A0103)

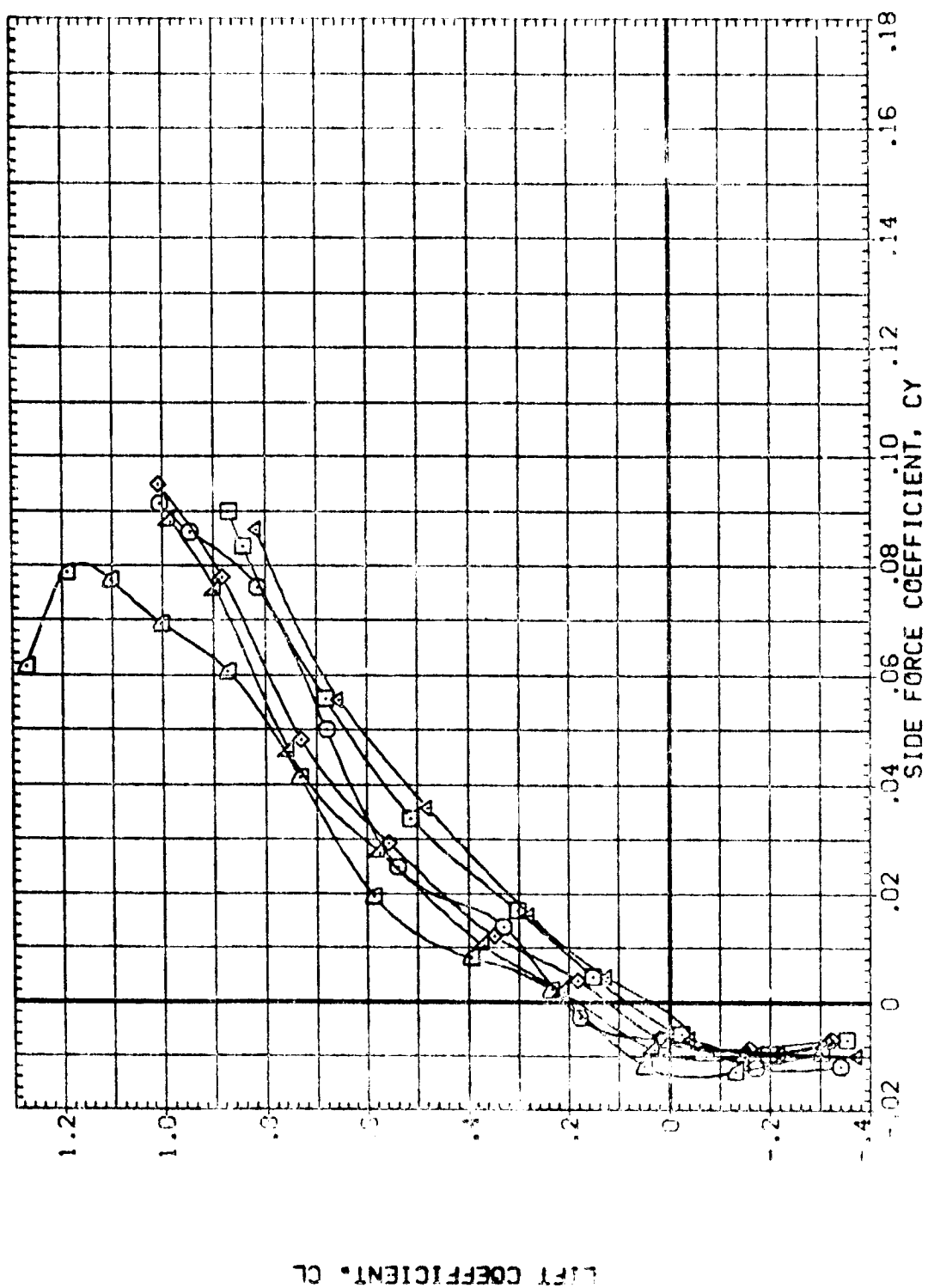


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
 MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 V5 B2 T  
 V5 B2 T  
 V5 B2 T  
 V5 B2 T  
 V5 B2 T  
 V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

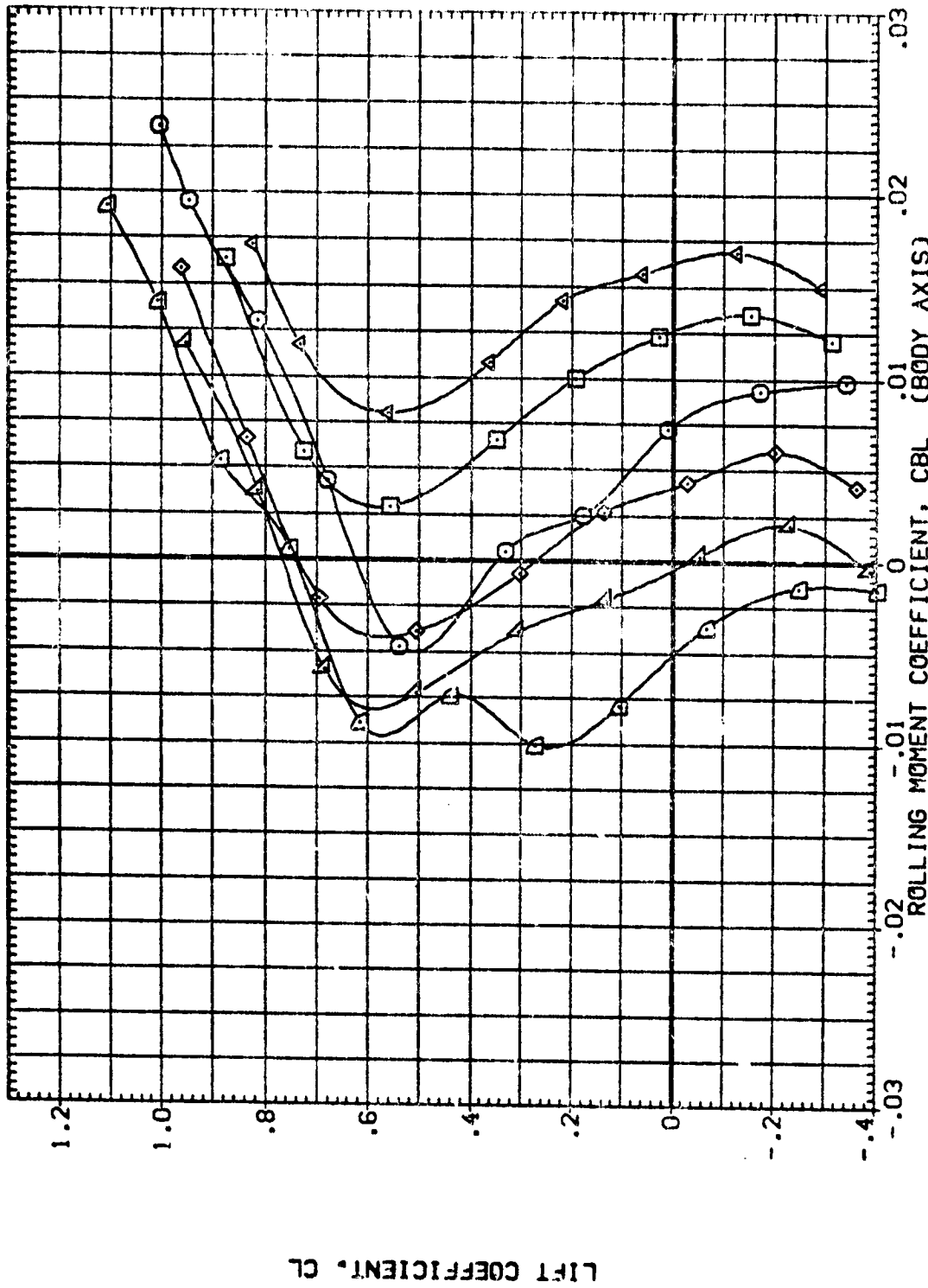


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(M)MACH = .98



# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(950110) VS B2 T  
 (ZAG168) VS B2 T  
 (ZAG070) VS B2 T  
 (BAG065) VS B2 T  
 (ZAG063) VS B2 T  
 (ZAG103) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 -5.000 .000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

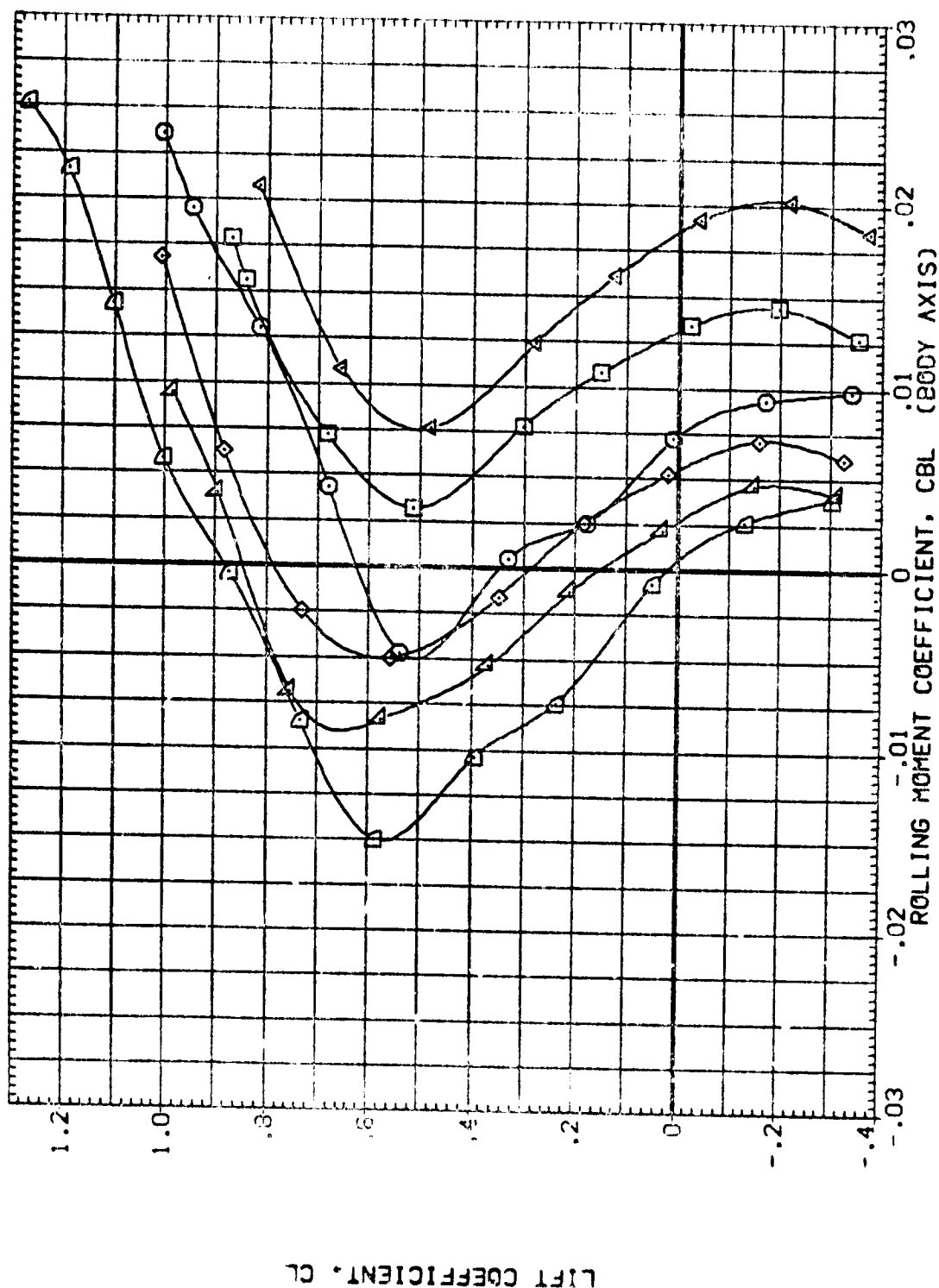


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(0)MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(BA0110)	V5 B2 T	.000	.000	.000
(BA0086)	V5 B2 T	.000	.000	.000
(ZAG072)	V5 B2 T	.000	.000	.000
(BA0050)	V5 B2 T	.000	.000	.000
(ZAG058)	V5 B2 T	.000	.000	.000
(ZAG105)	V5 B2 T	.000	.000	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BA0110)	V5 B2 T
(BA0086)	V5 B2 T
(ZAG072)	V5 B2 T
(BA0050)	V5 B2 T
(ZAG058)	V5 B2 T
(ZAG105)	V5 B2 T

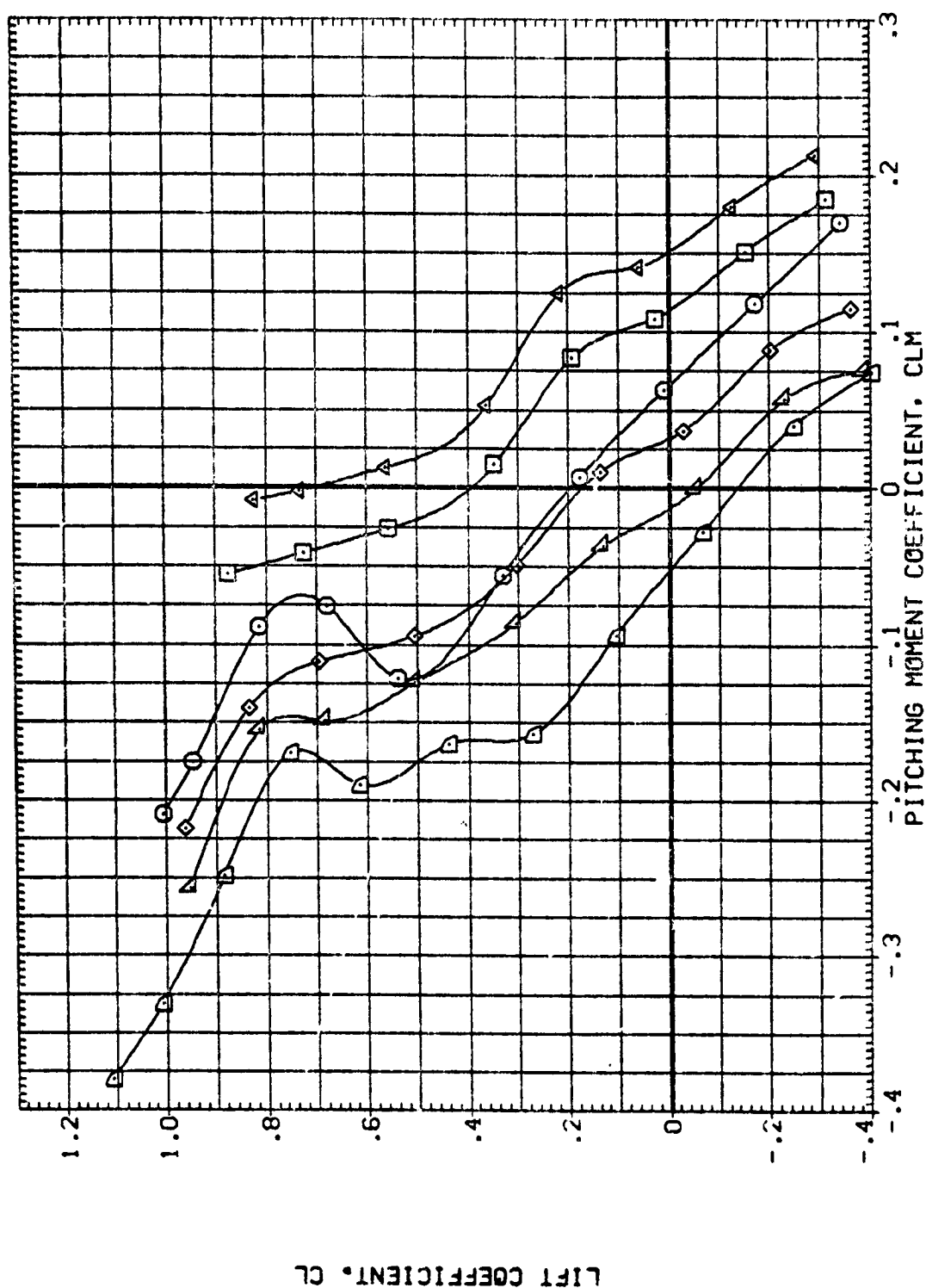


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

(0)MACH = .98

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110)  
(BA0163)  
(BA0070)  
(BA0065)  
(BA0063)  
(BA0103)

VS B2 T  
VS B2 T  
VS B2 T  
VS B2 T  
VS B2 T  
VS B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 -5.000 .000  
.000 5.000 .000  
.000 -10.000 .000  
.000 10.000 .000  
.000 14.000 .000

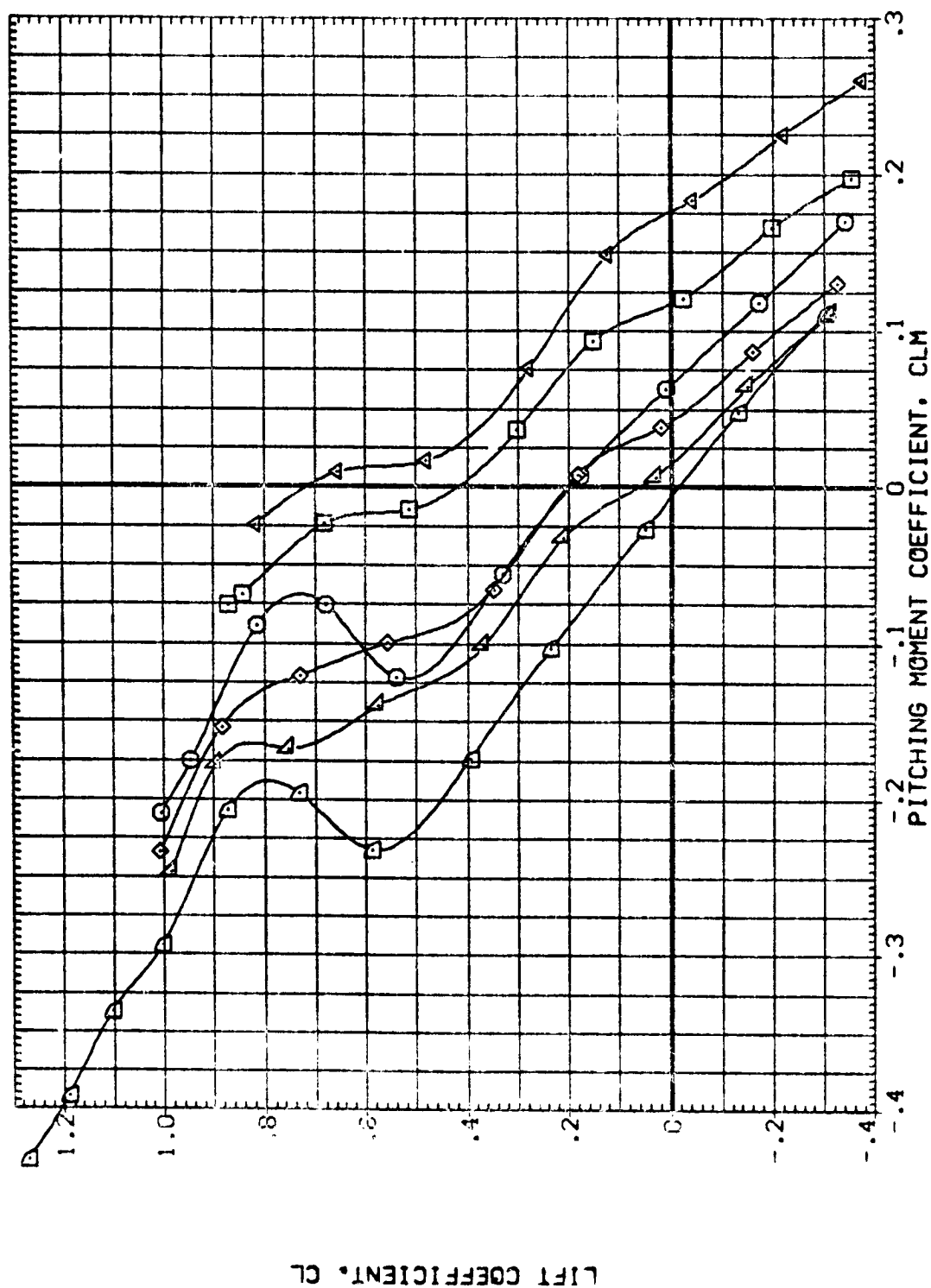


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

(C)MACH = .98

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110)	V5 B2 T	AIL-L	AIL-R	HORIZT
(BA0066)	V5 B2 T	.000	.000	.000
(ZAG072)	V5 B2 T	5.000	.000	.000
(BA0060)	V5 B2 T	-5.000	.000	.000
(ZAG058)	V5 B2 T	-10.100	.000	.000
(ZAG0105)	V5 B2 T	-14.300	.000	.000

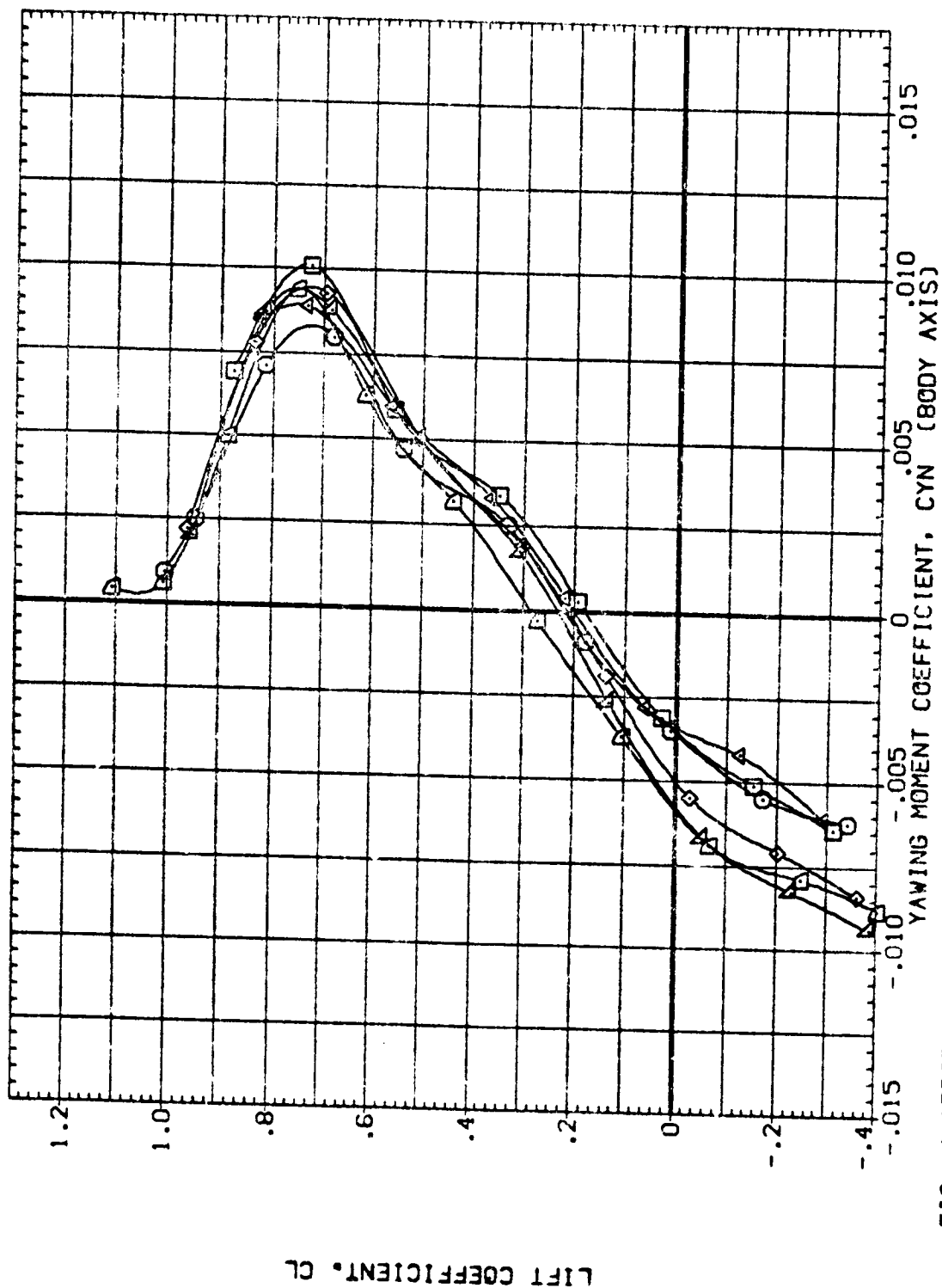


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
(C)MACH = .98

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110)  
(ZAG088)  
(ZAG070)  
(ZAG065)  
(ZAG063)  
(ZAG063)

V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
-5.000 .000 .000  
5.000 .000 .000  
-10.000 .000 .000  
10.000 .000 .000  
14.000 .000 .000

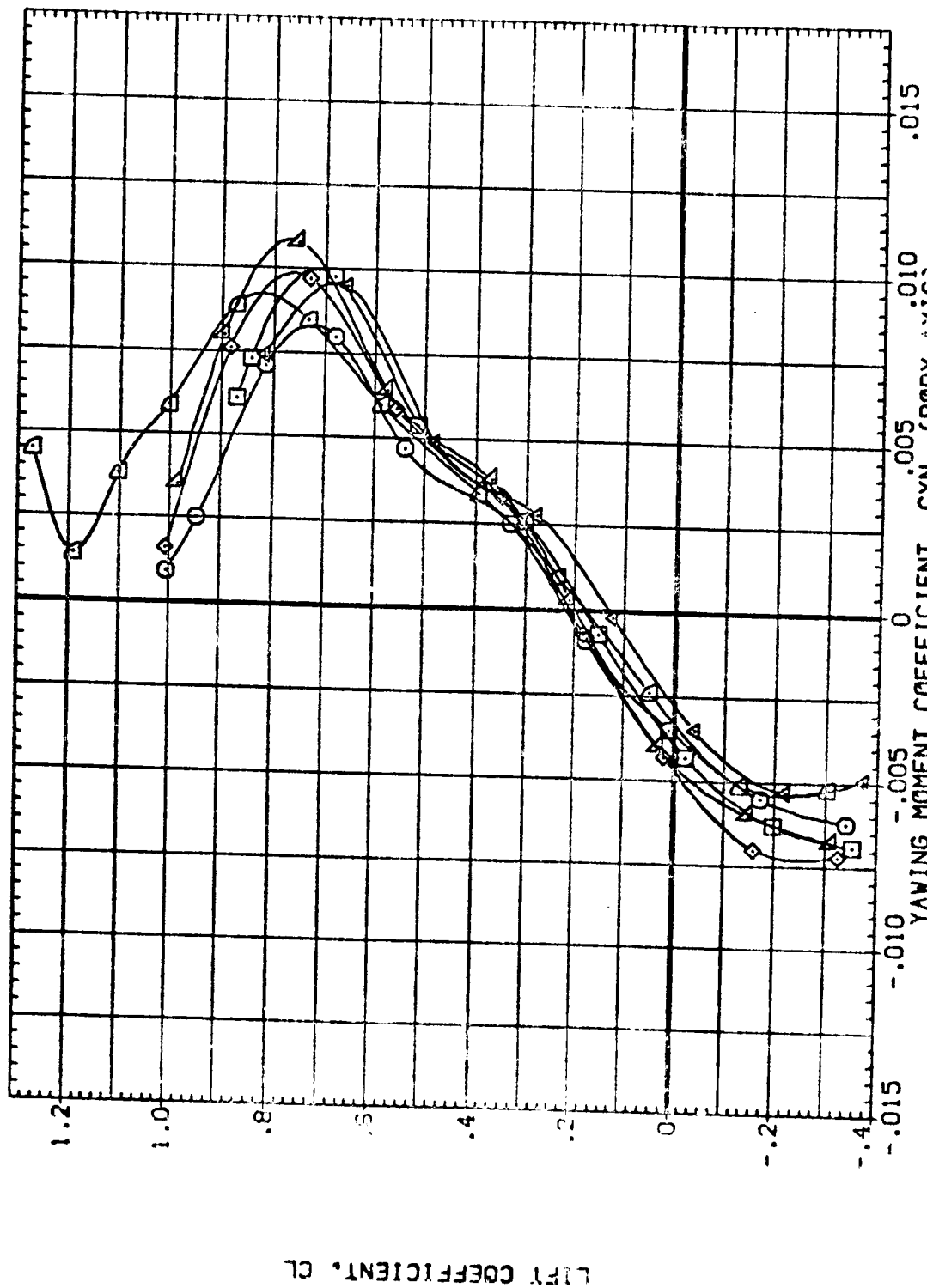


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.  
(C)MACH = .98

DATA SET SYMBOL    CONFIGURATION DESCRIPTION

(BAQ110)	V5 B2 T
(BAQ086)	V5 B2 T
(ZAG072)	V5 B2 T
(BAQ060)	V5 B2 T
(ZAG053)	V5 B2 T
(ZAG105)	V5 B2 T

AIL-L	AIL-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

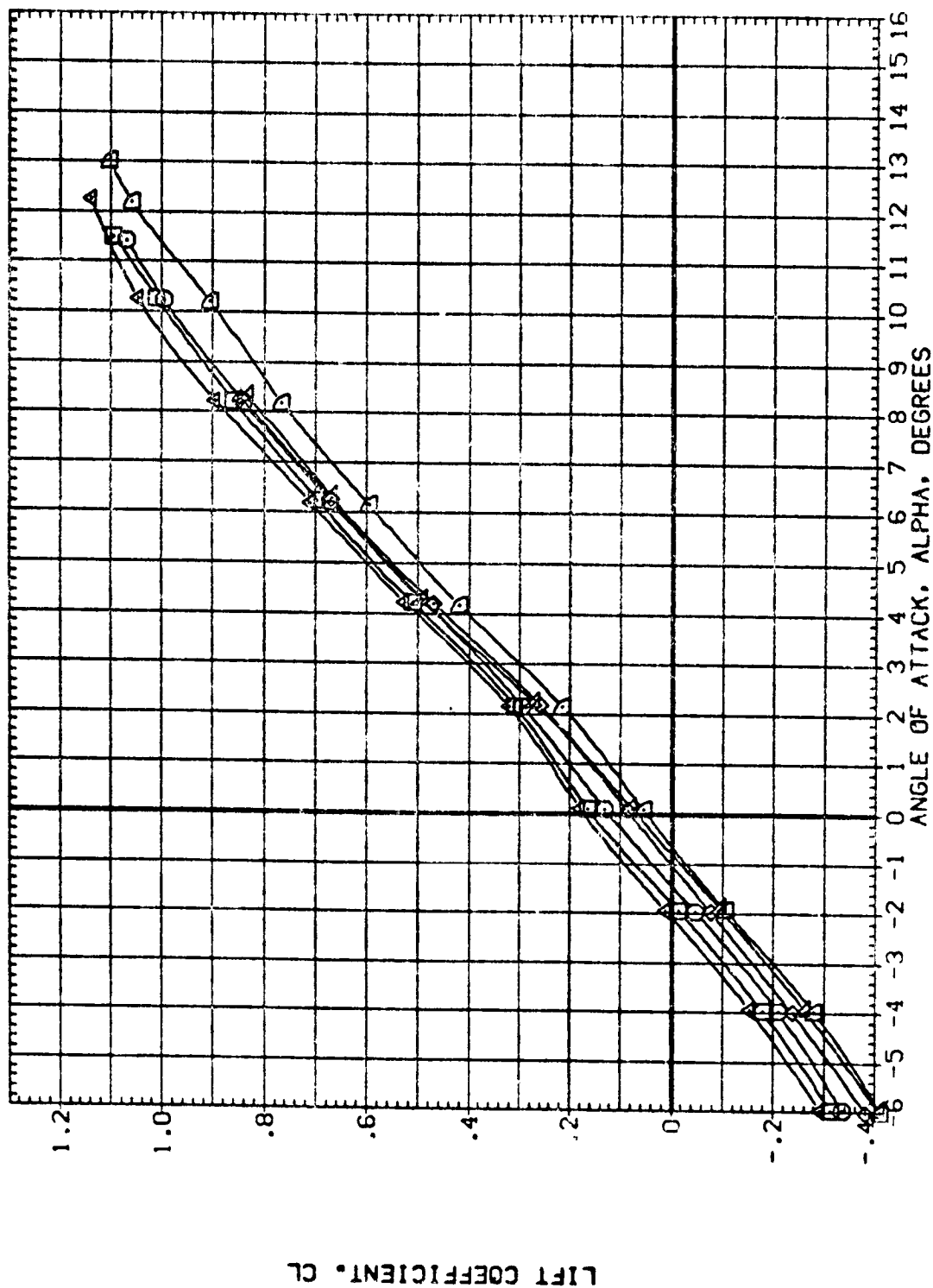


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.  
(E)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110) VS B2 T  
 (ZAC068) VS B2 T  
 (ZAC070) VS B2 T  
 (BA0065) VS B2 T  
 (ZAC063) VS B2 T  
 (ZAC103) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.600 .000  
 .000 14.000 .000

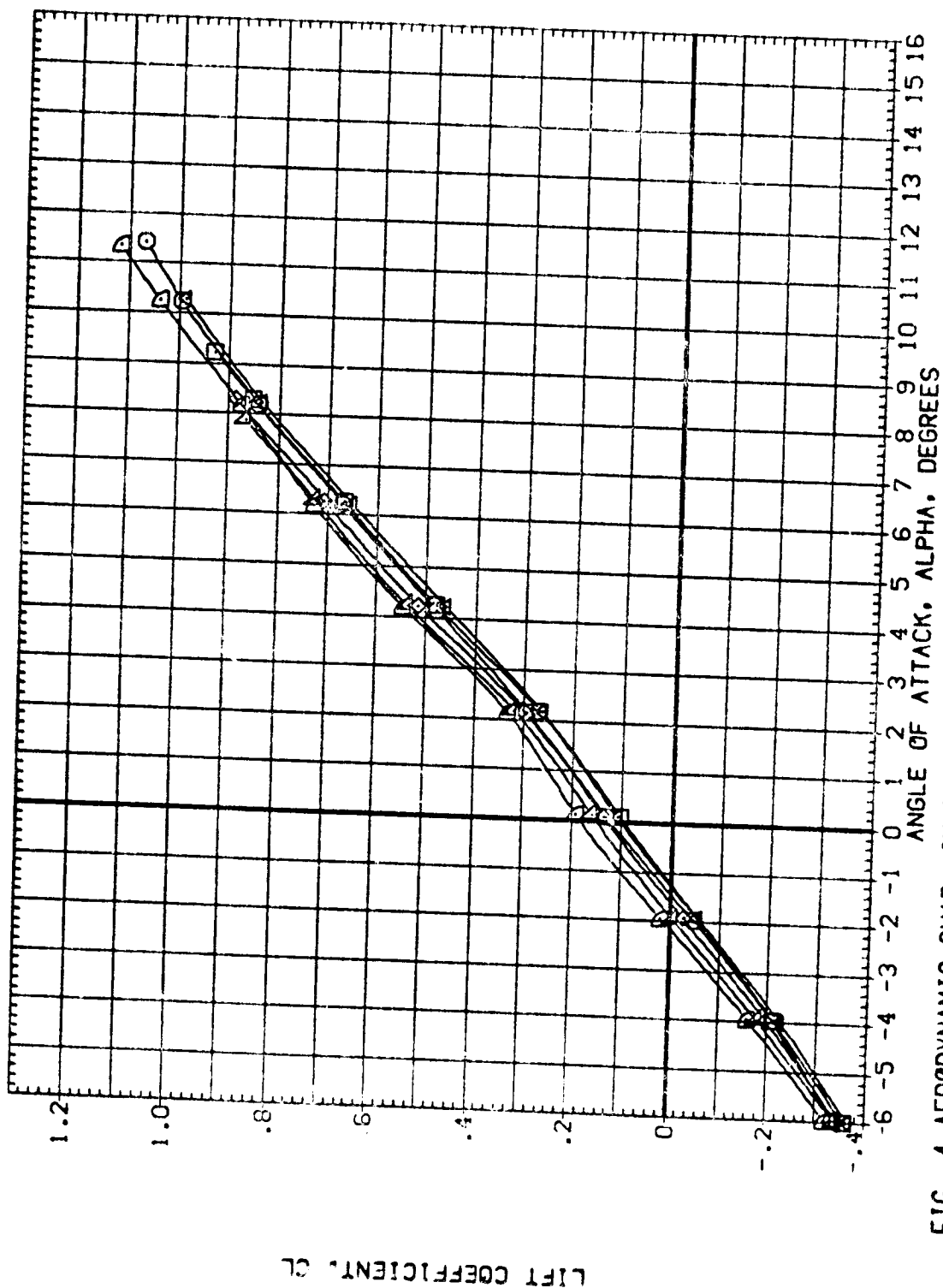


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
 (C)MACH = 1.05

DATA SET SYMBOL      CONFIGURATION DESCRIPTION

(BA0110)	V5 B2 T
(BA0086)	V5 B2 T
(ZA0072)	V5 B2 T
(BA0060)	V5 B2 T
(ZA0058)	V5 B2 T
(ZA0105)	V5 B2 T

AIL-L	AIL-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

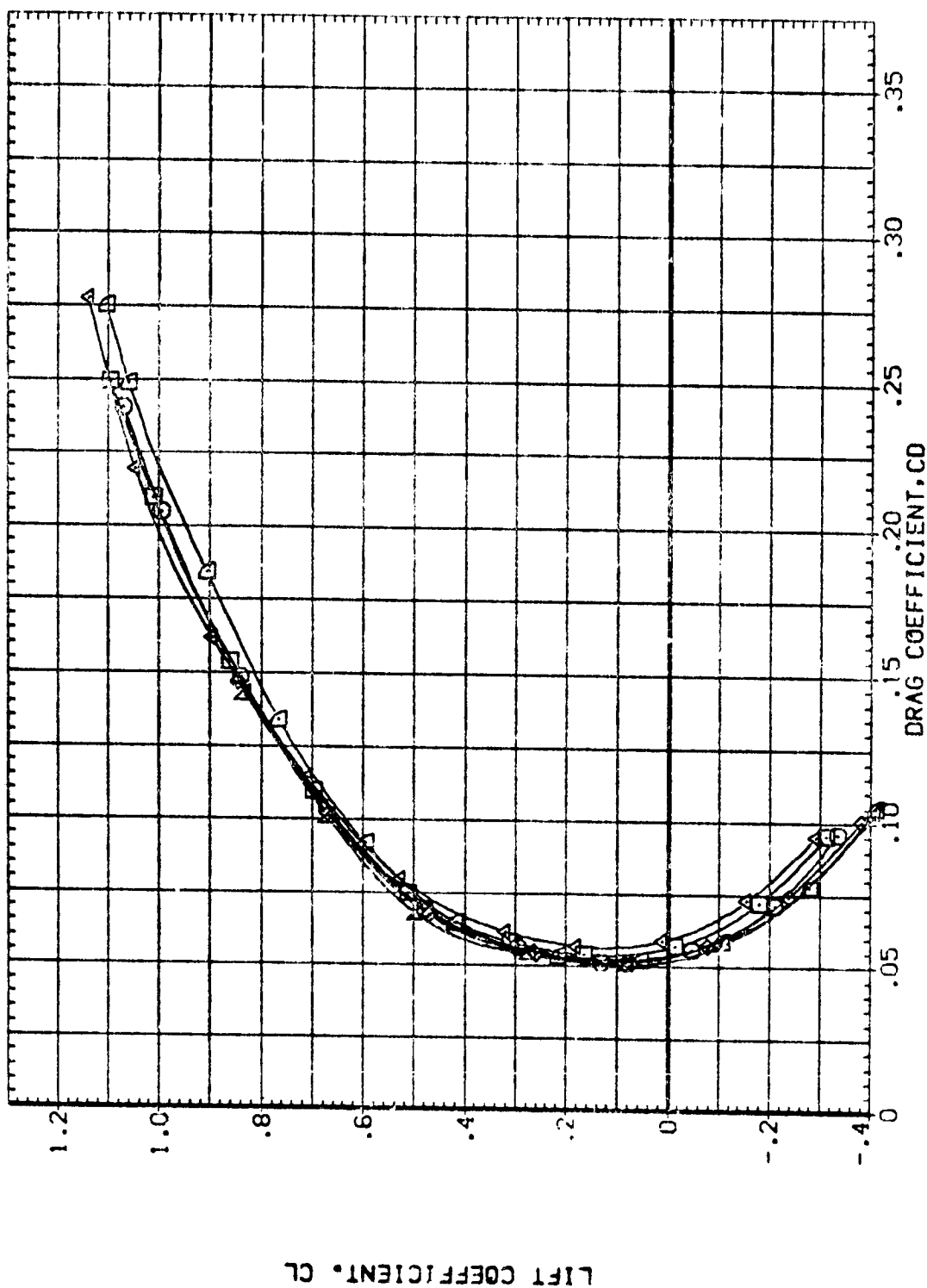


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

(C)MACH = 1.05

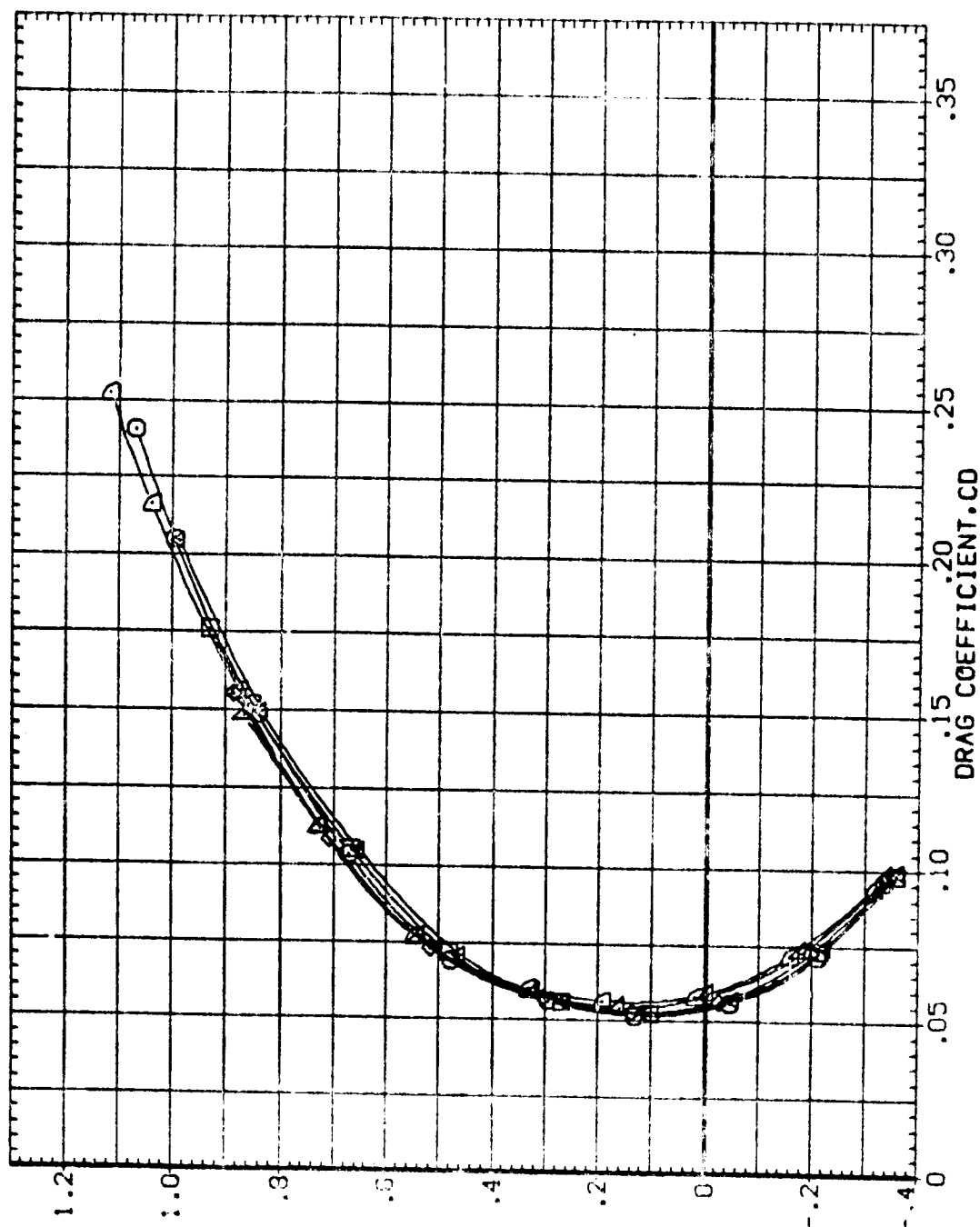


DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110)  
(ZA0068)  
(ZA0070)  
(BA0065)  
(ZA0083)  
(ZA0103)

V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
-5.000 .000 .000  
-10.000 .000 .000  
10.000 .000 .000  
14.000 .000 .000



LIFT COEFFICIENT, CL

FIG. 1 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(CD)MACH = 1.05

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000  
-14.300 .000 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BAQ110) V5 B2 T  
(BAQ086) V5 B2 T  
(ZAG072) V5 B2 T  
(BAQ060) V5 B2 T  
(ZAG058) V5 B2 T  
(ZAG105) V5 B2 T

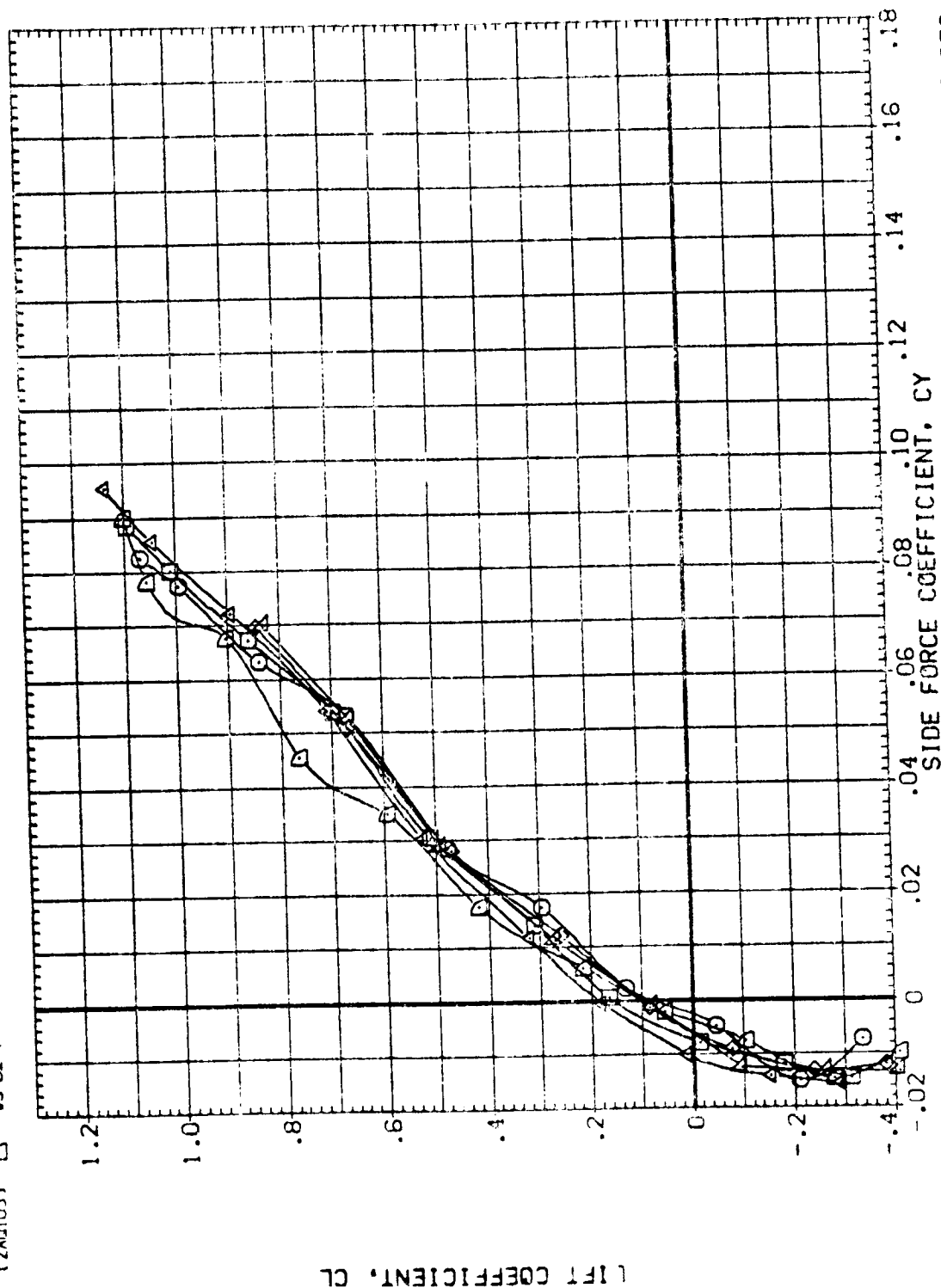


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(MACH = 1.05

DATA SET SYMBOL    CONFIGURATION DESCRIPTION

(BAQ110)	V5 B2 T
(ZAG068)	V5 B2 T
(ZAG070)	V5 B2 T
(BAQ065)	V5 B2 T
(ZAG063)	V5 B2 T
(ZAG103)	V5 B2 T

AIL-L    AIL-R    HORIZT

.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

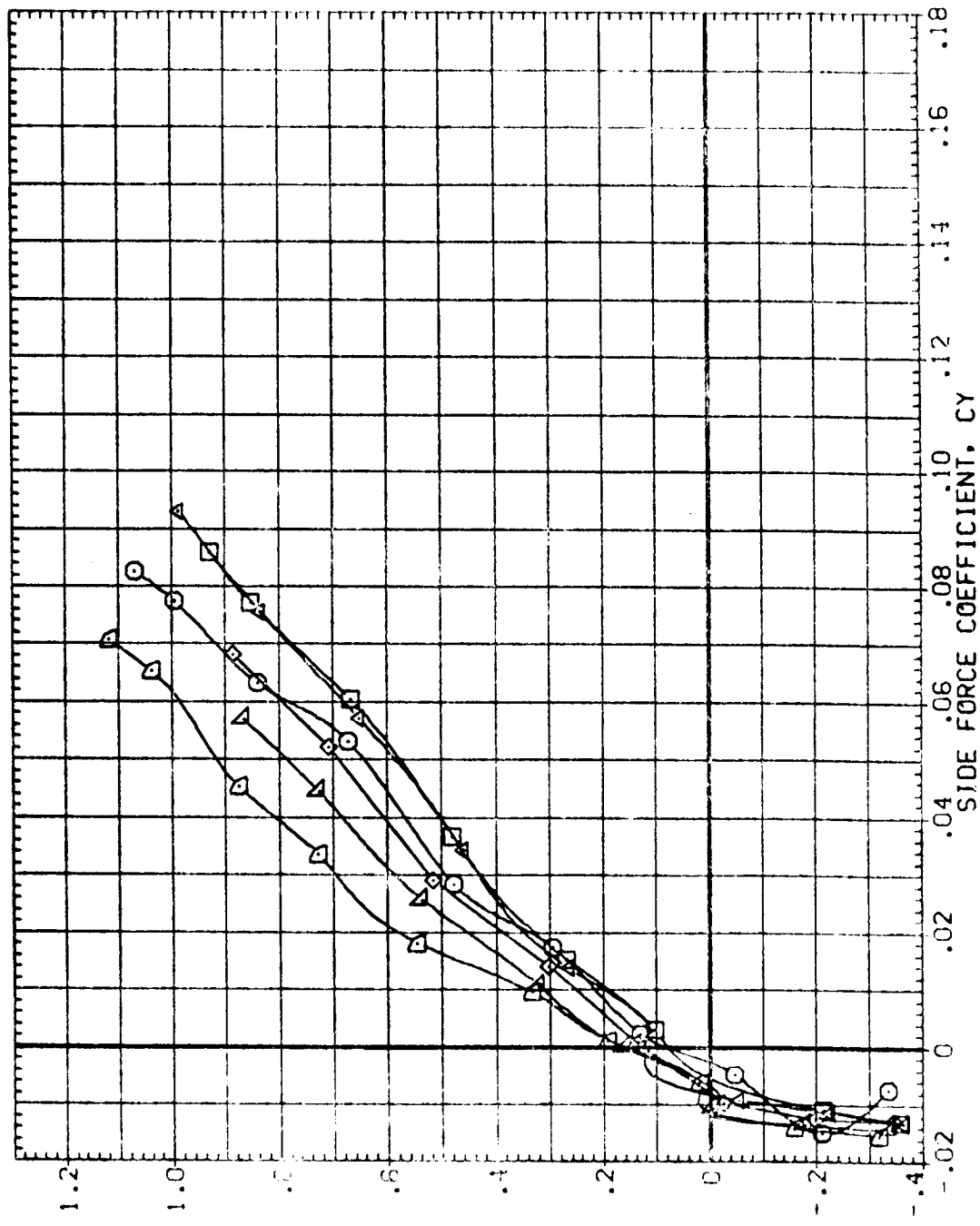


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(E)MACH = 1.05

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110)  
(BA0086)  
(ZA0072)  
(BA0060)  
(ZA0058)  
(ZA0105)

V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

□ ○ ◇ △ ▽

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000  
-14 300 .000

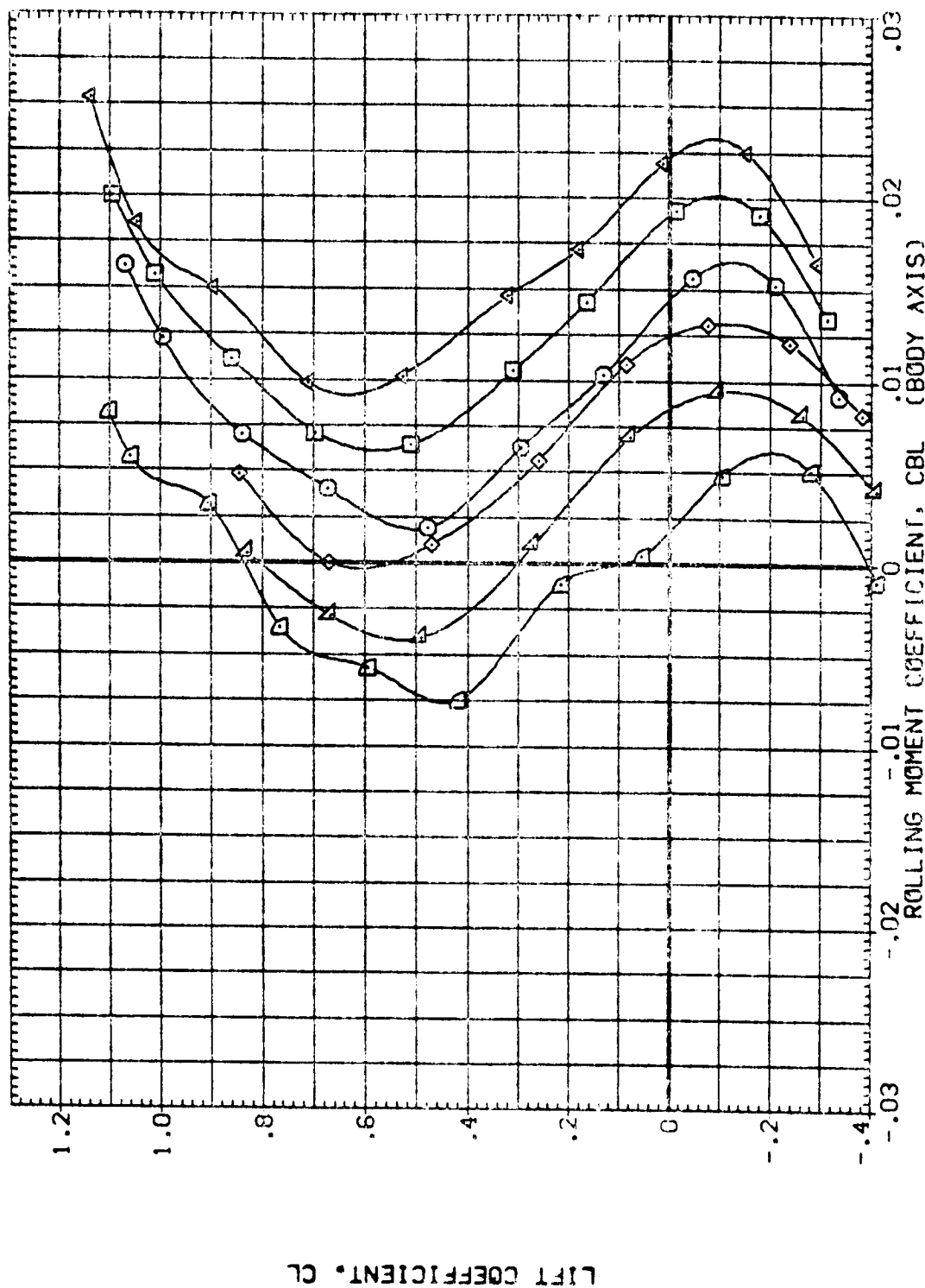


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.

(MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (8A0110) V5 B2 T  
 (2A0158) V5 B2 T  
 (2A0070) V5 B2 T  
 (2A0065) V5 B2 T  
 (2A0163) V5 B2 T  
 (2A0103) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.600 .000  
 .000 14.000 .000

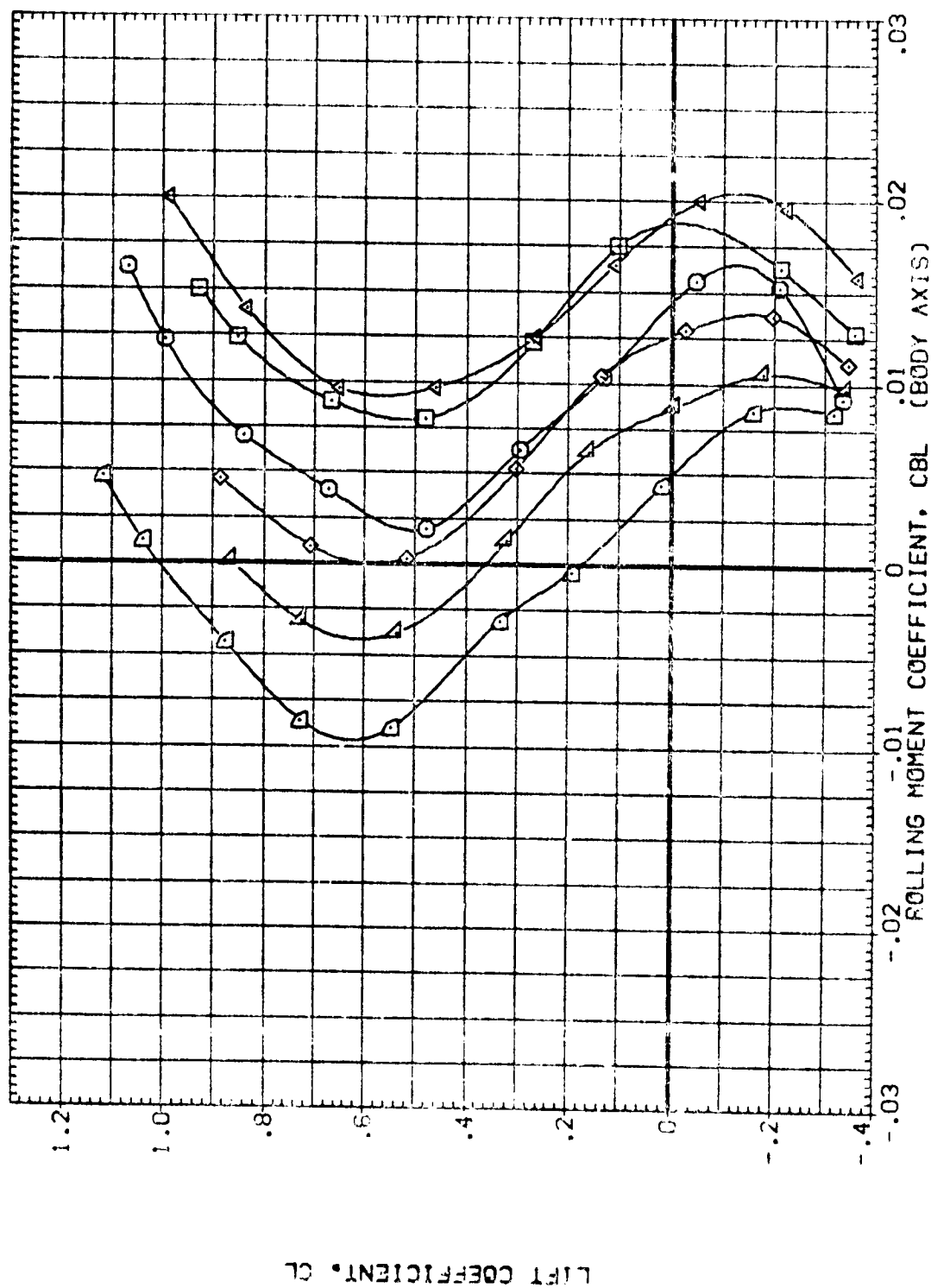


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
 (MACH = 1.05)

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BAQ110)	VS B2 T
(BAQ086)	VS B2 T
(ZAG072)	VS B2 T
(BAQ060)	VS B2 T
(ZAG058)	VS B2 T
(ZAG105)	VS B2 T

AIR-L AIR-R HORIZT

.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

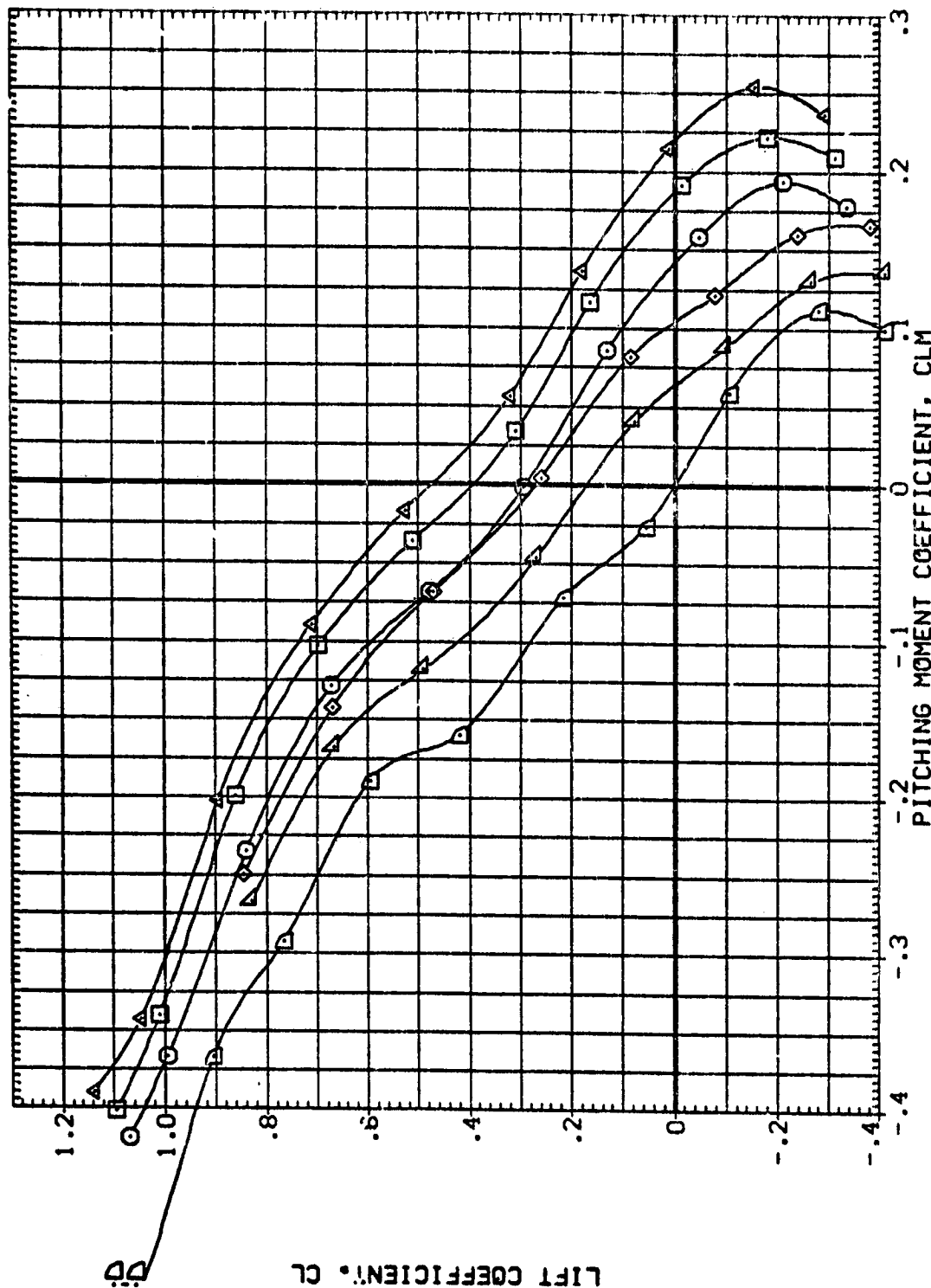


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(MACH = 1.05

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BAG110)	V5 B2 T
(ZAG068)	V5 B2 T
(ZAG070)	V5 B2 T
(BAG065)	V5 B2 T
(ZAG063)	V5 B2 T
(ZAG103)	V5 B2 T

AIL-L	AIL-R	HORIZT
.000	.000	.000
.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

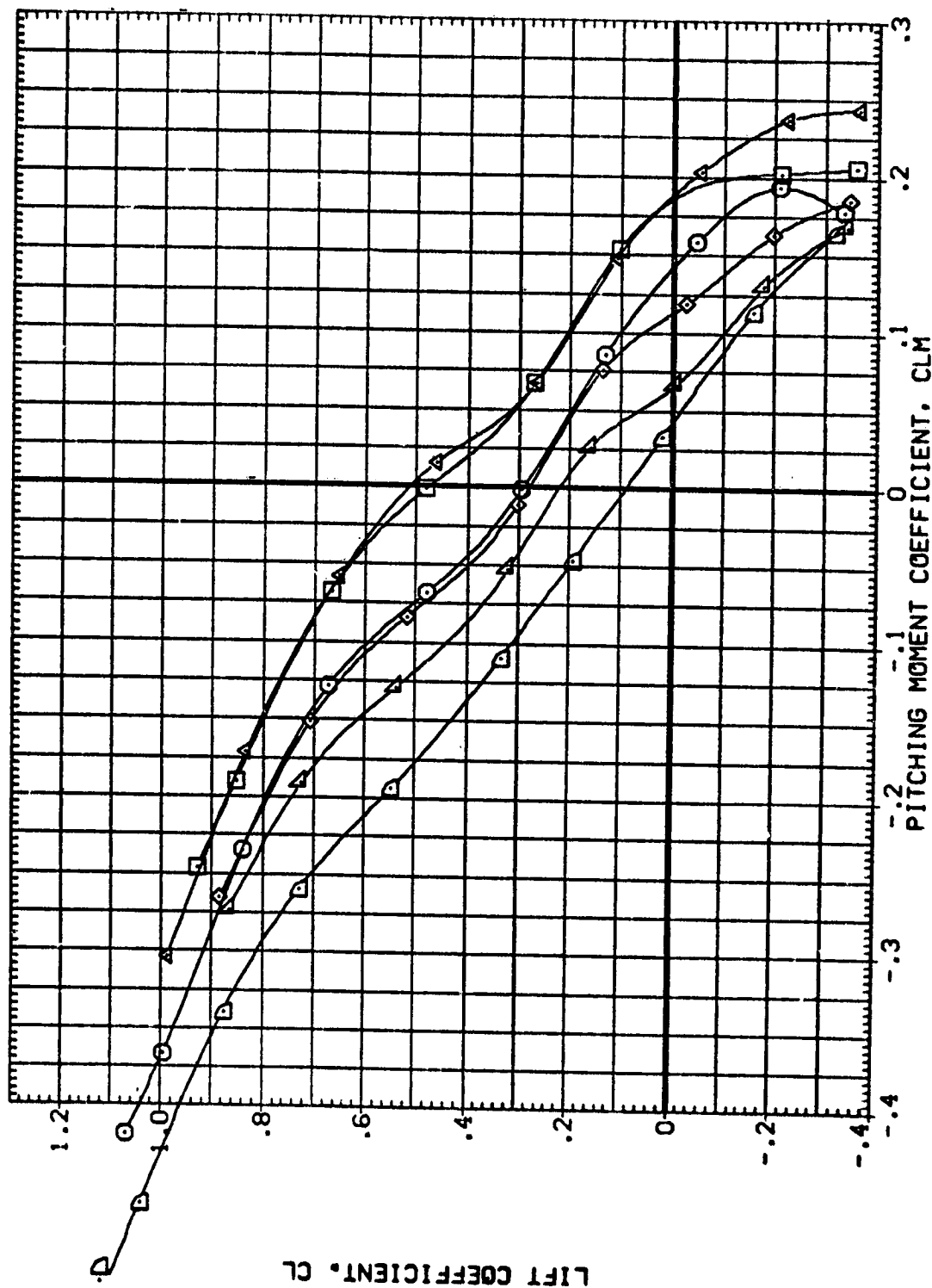


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =45.0 DEG.  
(E)MACH = 1.05

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(BA0110)	V5 B2 T	2.000	.000	.000
(BA0086)	V5 B2 T	5.000	.000	.000
(ZAG072)	V5 B2 T	-5.000	.000	.000
(BA0060)	V5 B2 T	10.100	.000	.000
(ZAG058)	V5 B2 T	-10.700	.000	.000
(ZAG105)	V5 B2 T	-14.300	.000	.000

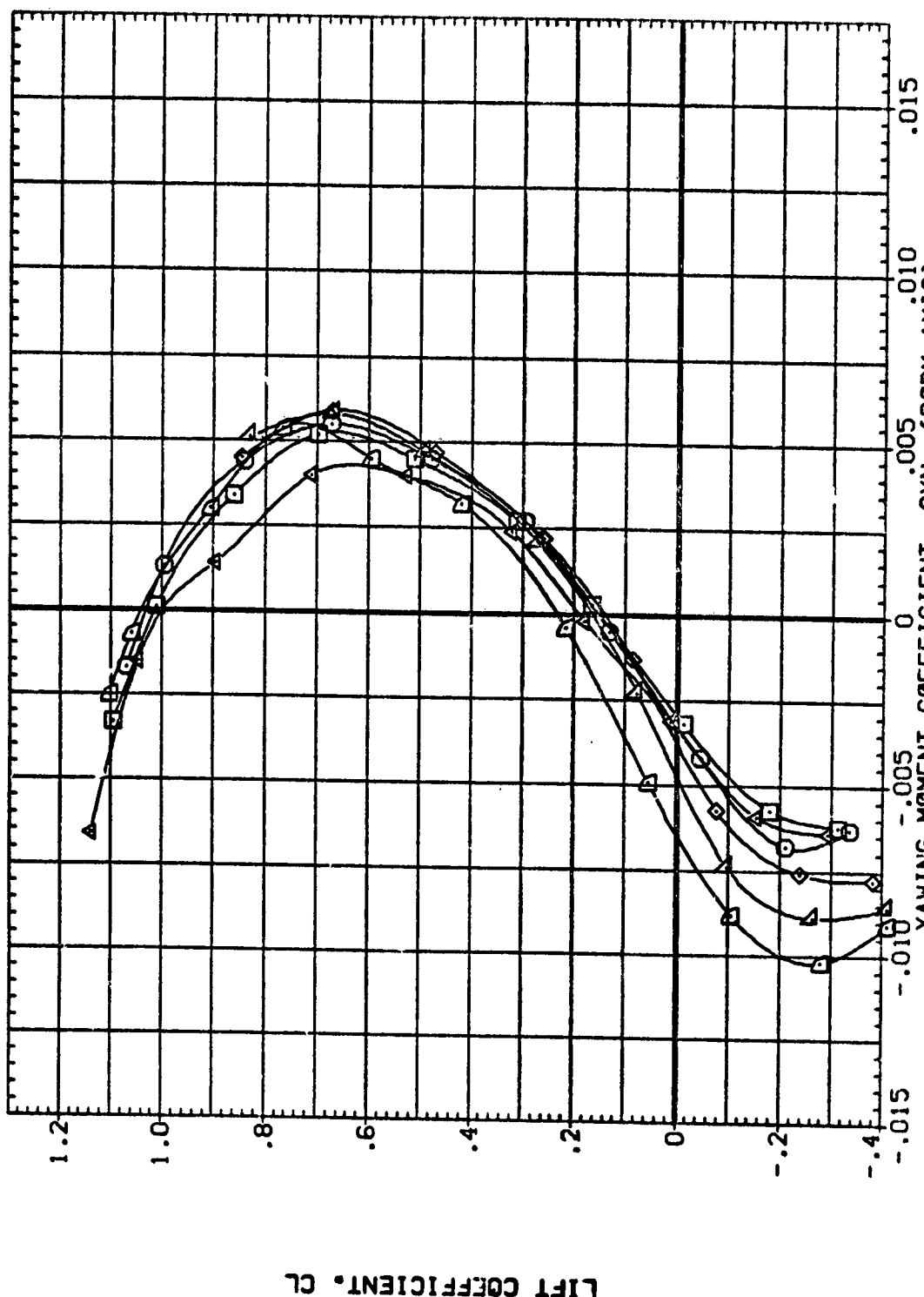


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.  
(M)MACH = 1.05



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) V5 B2 T  
 (ZAG068) V5 B2 T  
 (ZAG070) V5 B2 T  
 (BA0065) V5 B2 T  
 (ZAG063) V5 B2 T  
 (ZAG103) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

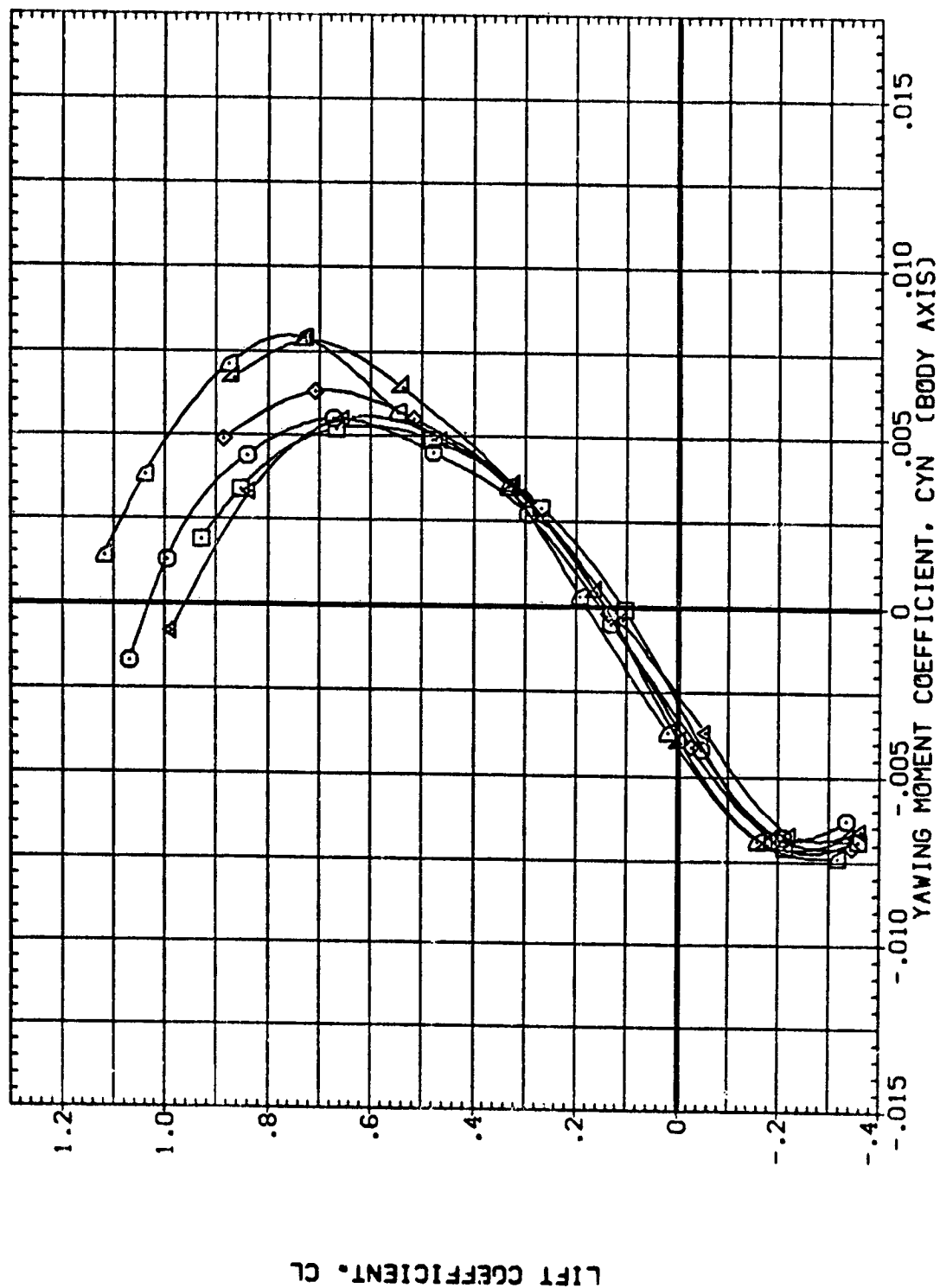


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 45.0 DEG.

(M)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZAG115)	V5 B2 T
(BAG080)	V5 B2 T
(BAG074)	V5 B2 T
(BAG046)	V5 B2 T
(BAG042)	V5 B2 T
(ZAG095)	V5 B2 T

AIL-L	AIL-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

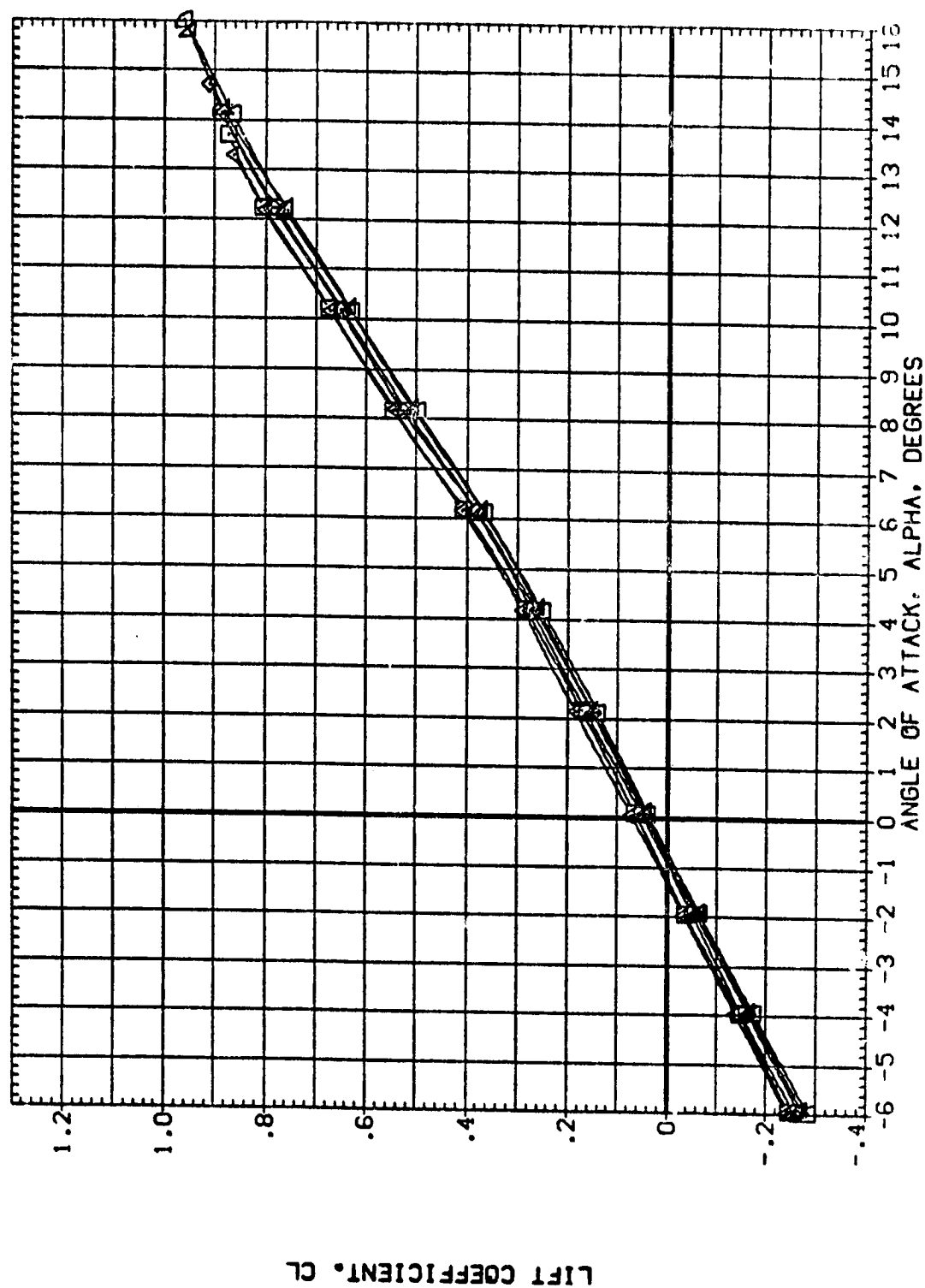


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 80.0 DEG.  
 (MACH = .80) PAGE 80

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG0115)	V5 B2 T
(BAG0093)	V5 B2 T
(BAG0077)	V5 B2 T
(BAG0036)	V5 B2 T
(BAG0034)	V5 B2 T
(ZAG0097)	V5 B2 T

AIR-L AIR-R HORIZT

.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

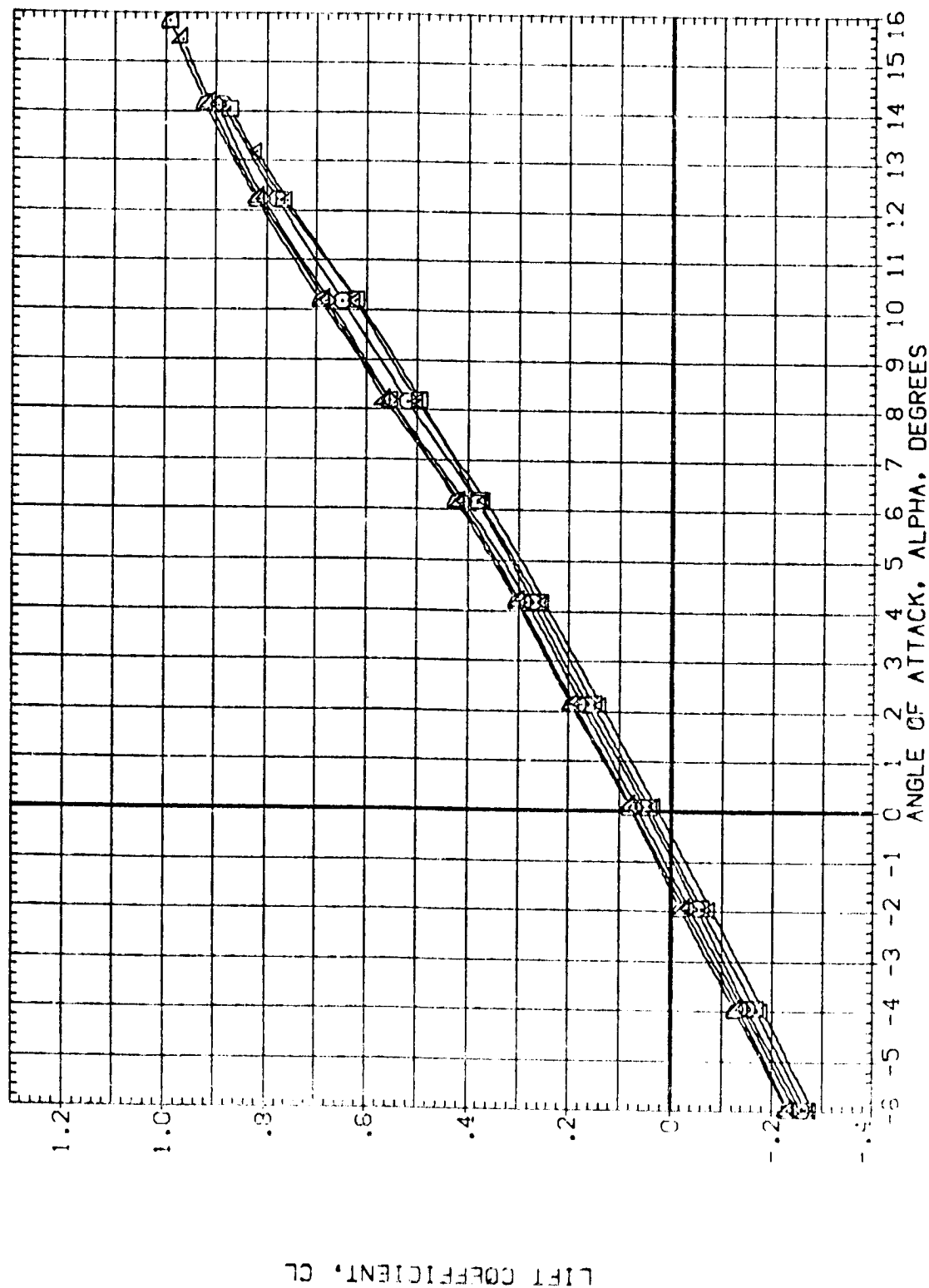


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

CALMACH = .80

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000  
-14.300 .000 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T  
(BA0080) V5 B2 T  
(BA0074) V5 B2 T  
(BA0046) V5 B2 T  
(BA0042) V5 B2 T  
(ZAG055) V5 B2 T

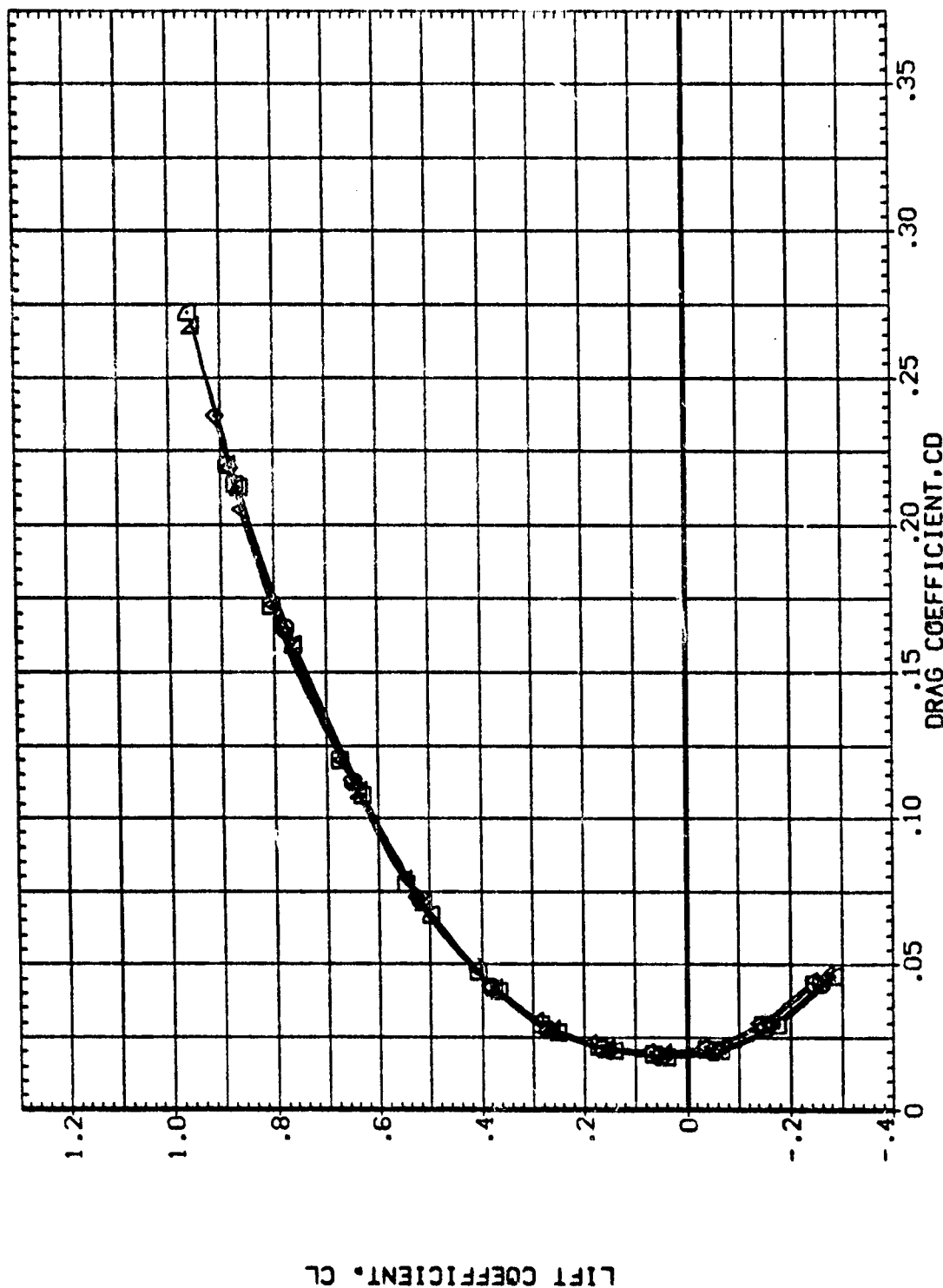


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(M)MACH = .80

AIL-L	AIL-R	HORIZT
.000	.000	.000
.000	-5.000	.000
.000	5.000	.050
.000	-10.000	.000
.000	10.600	.000
.000	14.000	.000

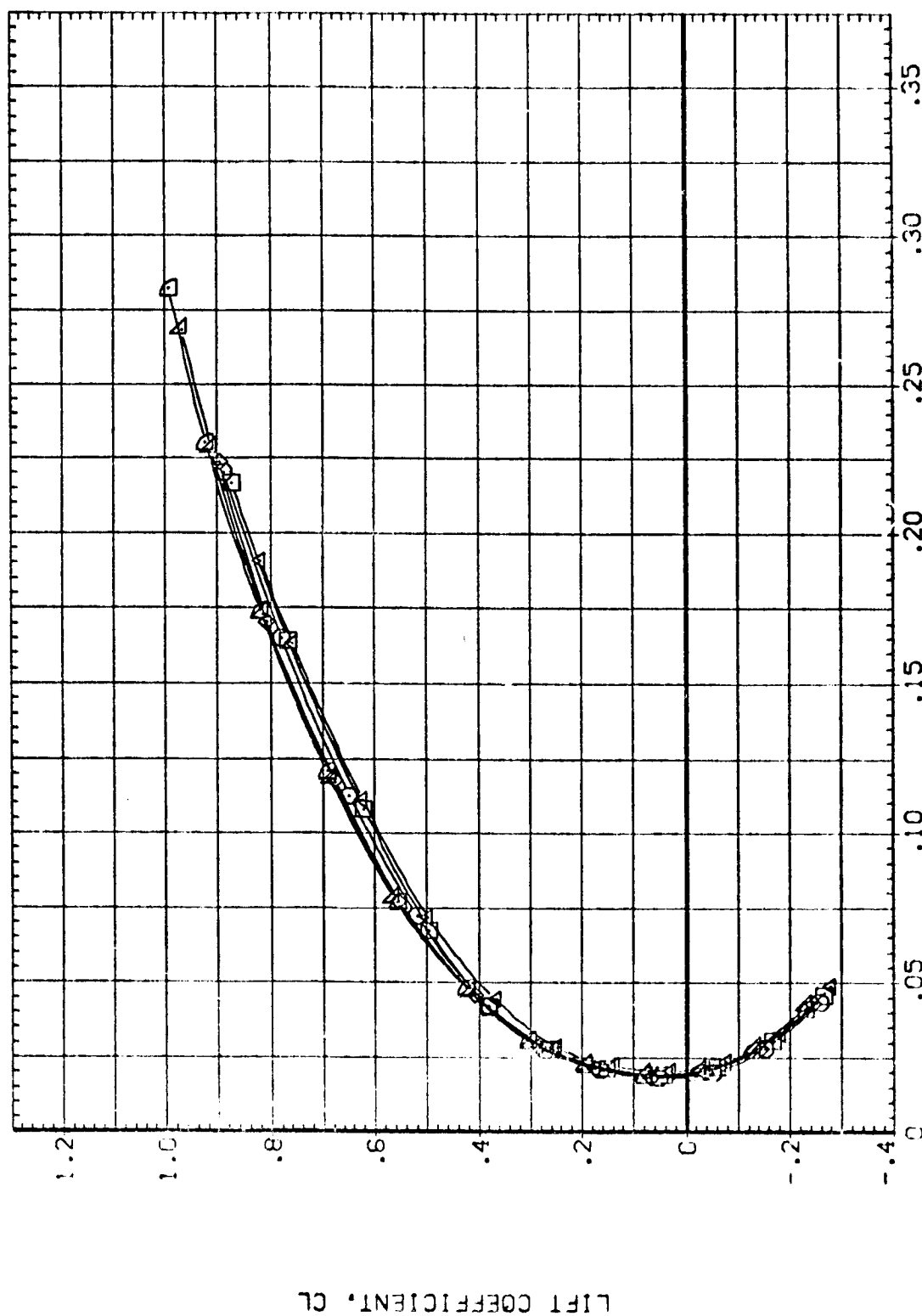


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
MACH = .80 PAGE 83

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)  
(BAG080)  
(BAG074)  
(BAG046)  
(BAG042)  
(ZAG055)

V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

□ ○ △ ▽

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
-10.100 .000 .000  
-10.700 .000 .000  
-14.300 .000 .000

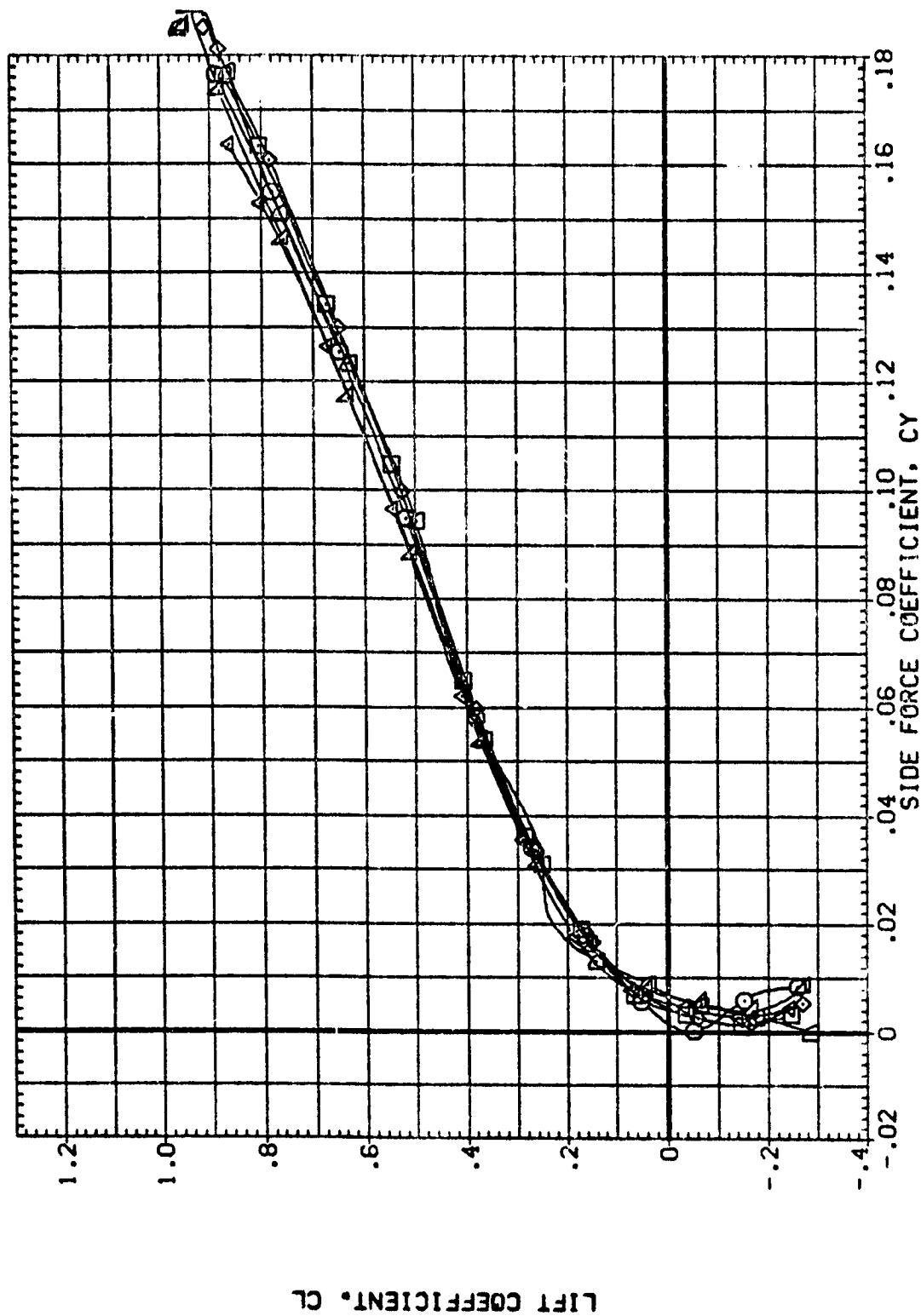


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(A)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (BAG083) VS B2 T  
 (BAG077) VS B2 T  
 (BAG038) VS B2 T  
 (S-10034) VS B2 T  
 (ZAG087) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 -5.000 .000  
 .000 -10.000 .000  
 .000 -10.000 .000  
 .000 -14.000 .000

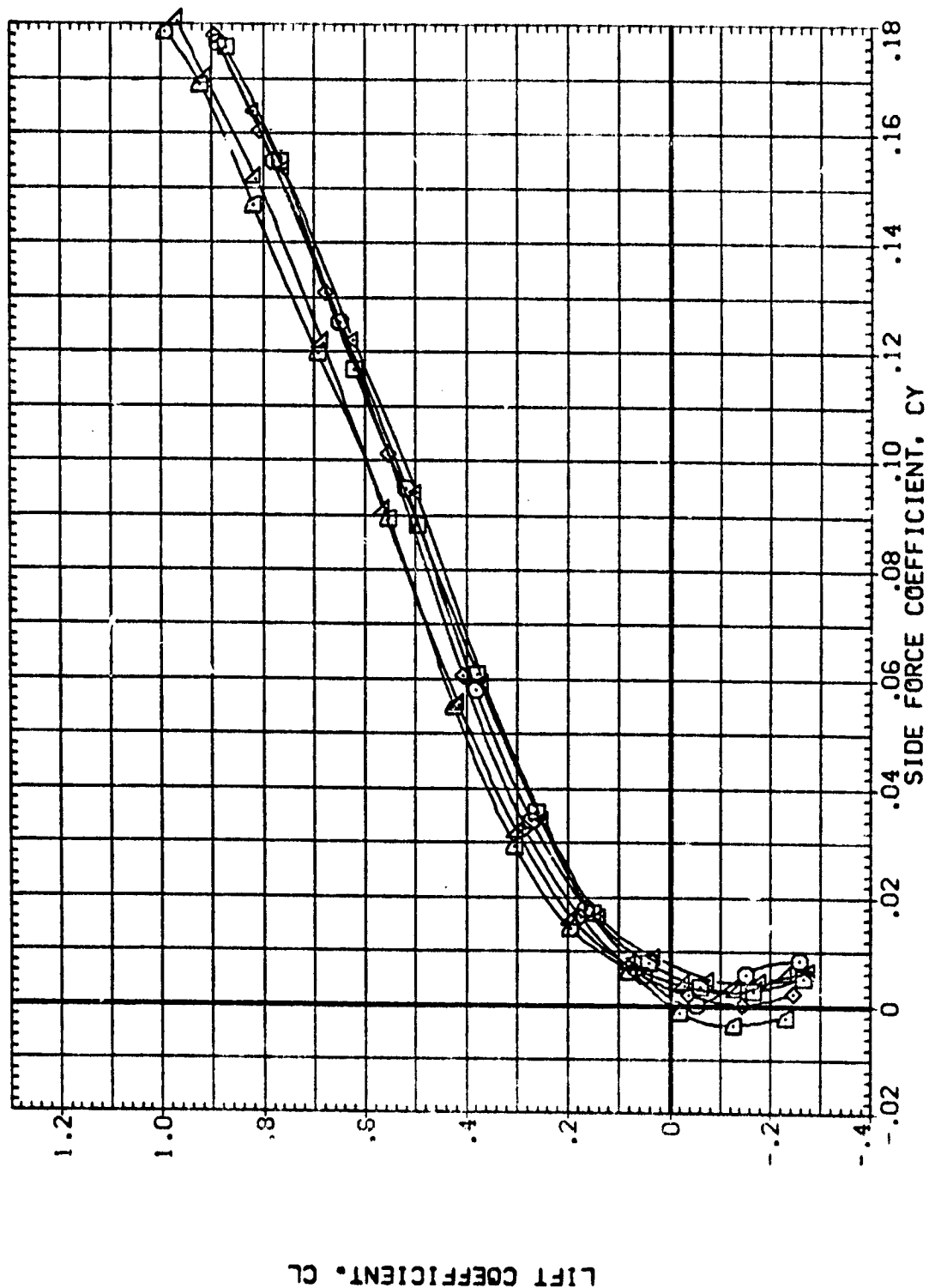


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP 30.0 DEG.  
 (A)MACH = .80

DATA SET SYMBOL · CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (BAG080) V5 B2 T  
 (BAG074) V5 B2 T  
 (BAG046) V5 B2 T  
 (BAG042) V5 B2 T  
 (ZAG055) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

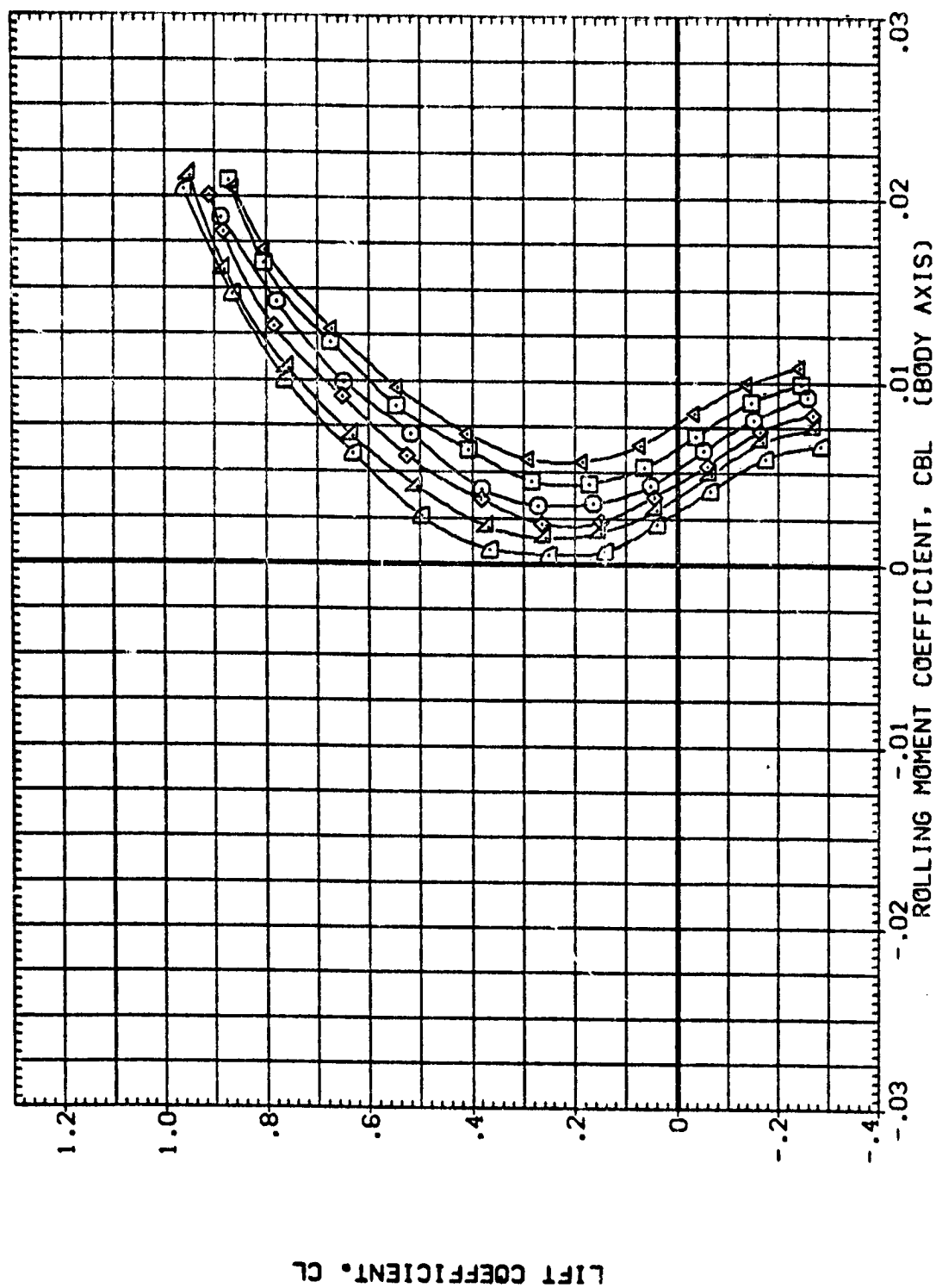


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (M)MACH = .80



DATA SET SYMBOL      CONFIGURATION DESCRIPTION

(ZAG115)	V5 B2 T
(BAG083)	V5 B2 T
(BAG077)	V5 B2 T
(BAG036)	V5 B2 T
(EAG034)	V5 B2 T
(ZAG097)	V5 B2 T

AIL-L      AIL-R      HORIZT

.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

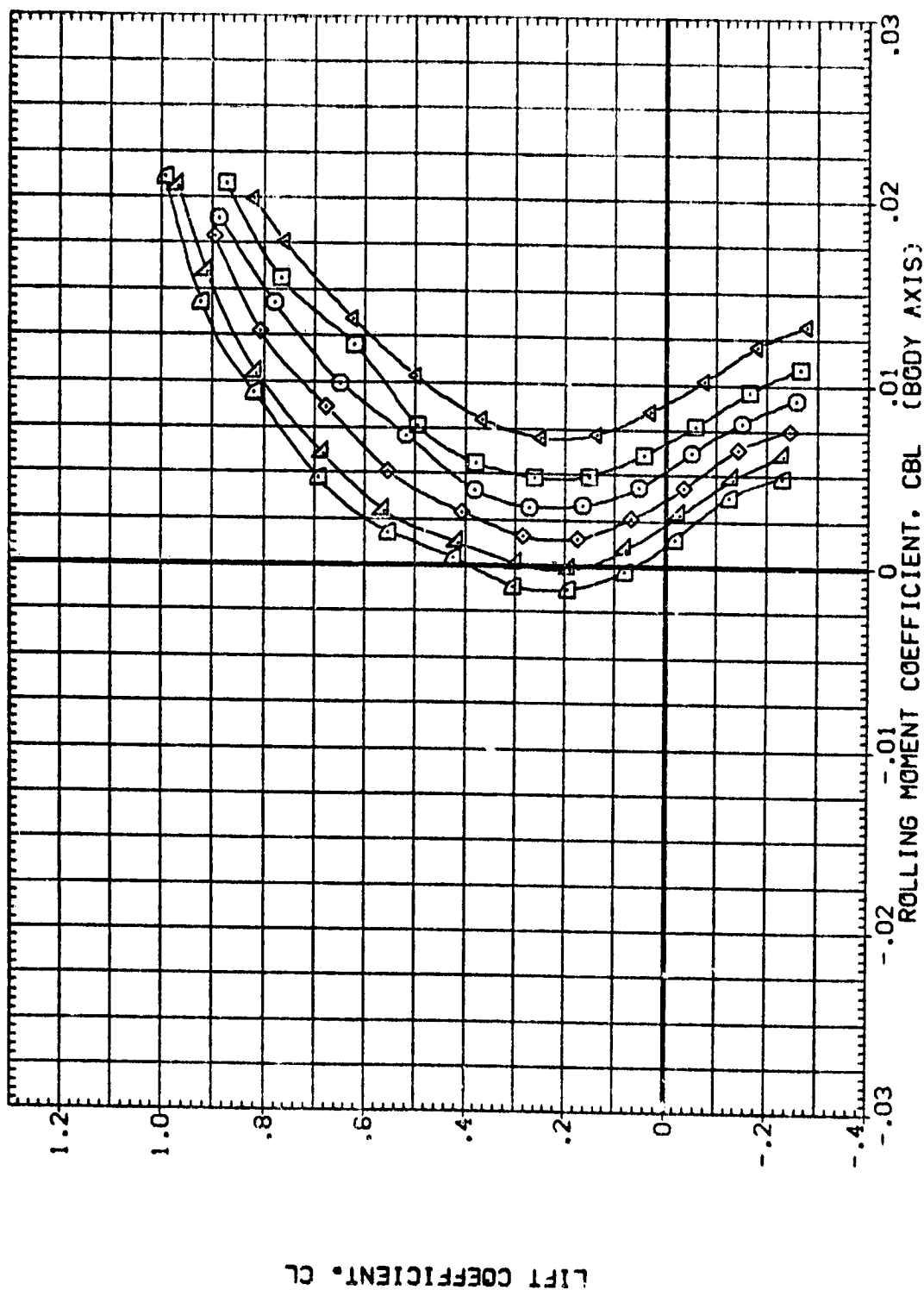


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(M)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 T	.000	.000	.000
(BAG080)	V5 B2 T	-5.000	.000	.000
(BAG074)	V5 B2 T	-5.000	.000	.000
(BAG046)	V5 B2 T	-10.100	.000	.000
(BAG042)	V5 B2 T	-10.700	.000	.000
(ZAG055)	V5 B2 T	-14.300	.000	.000

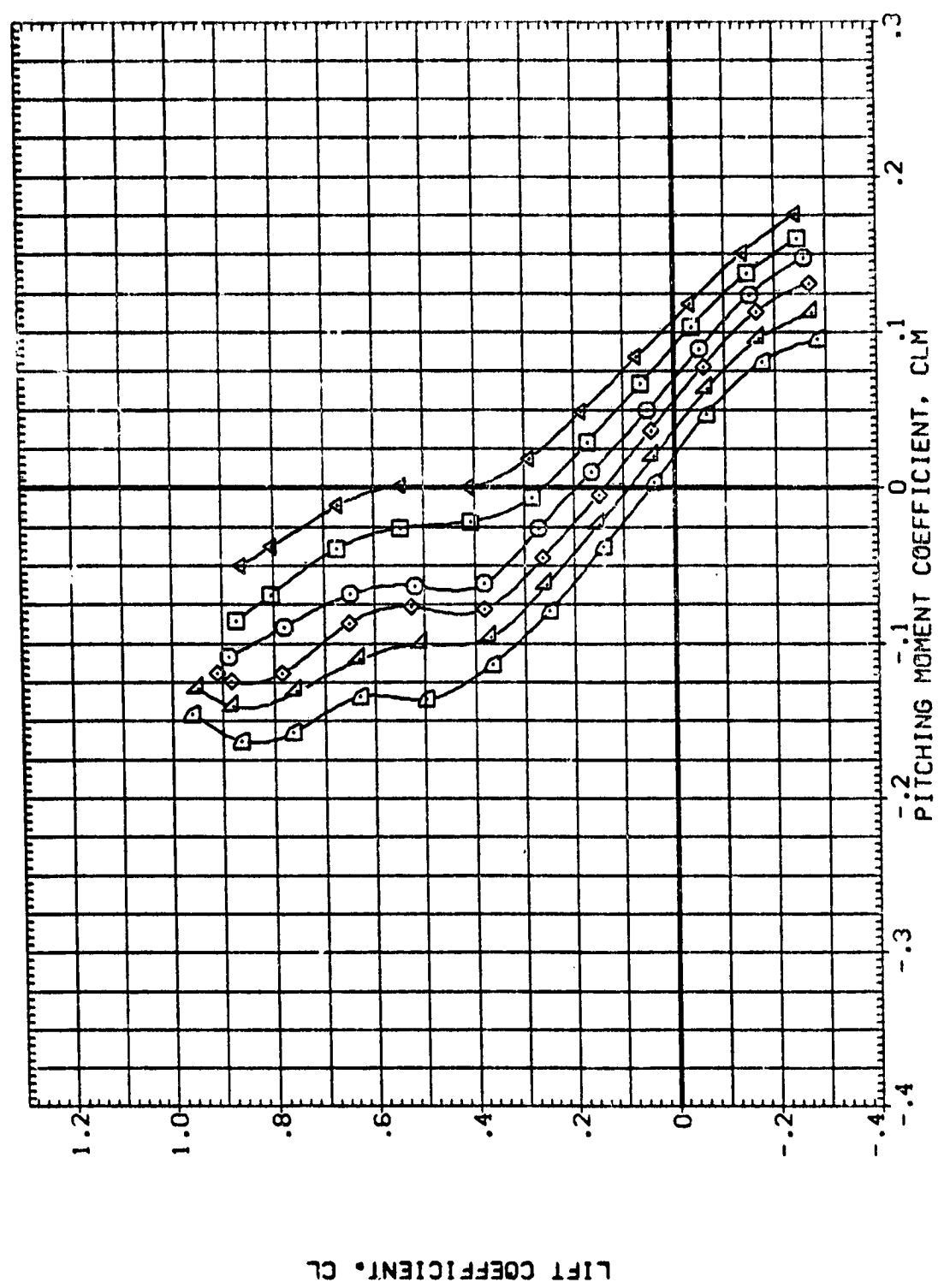


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (A) MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T  
(BAG083) V5 B2 T  
(BAG077) V5 B2 T  
(BAG038) V5 B2 T  
(BAG034) V5 B2 T  
(ZAG057) V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 -5.000 .000  
.000 5.000 .000  
.000 -10.000 .000  
.000 10.000 .000  
.000 11.000 .000

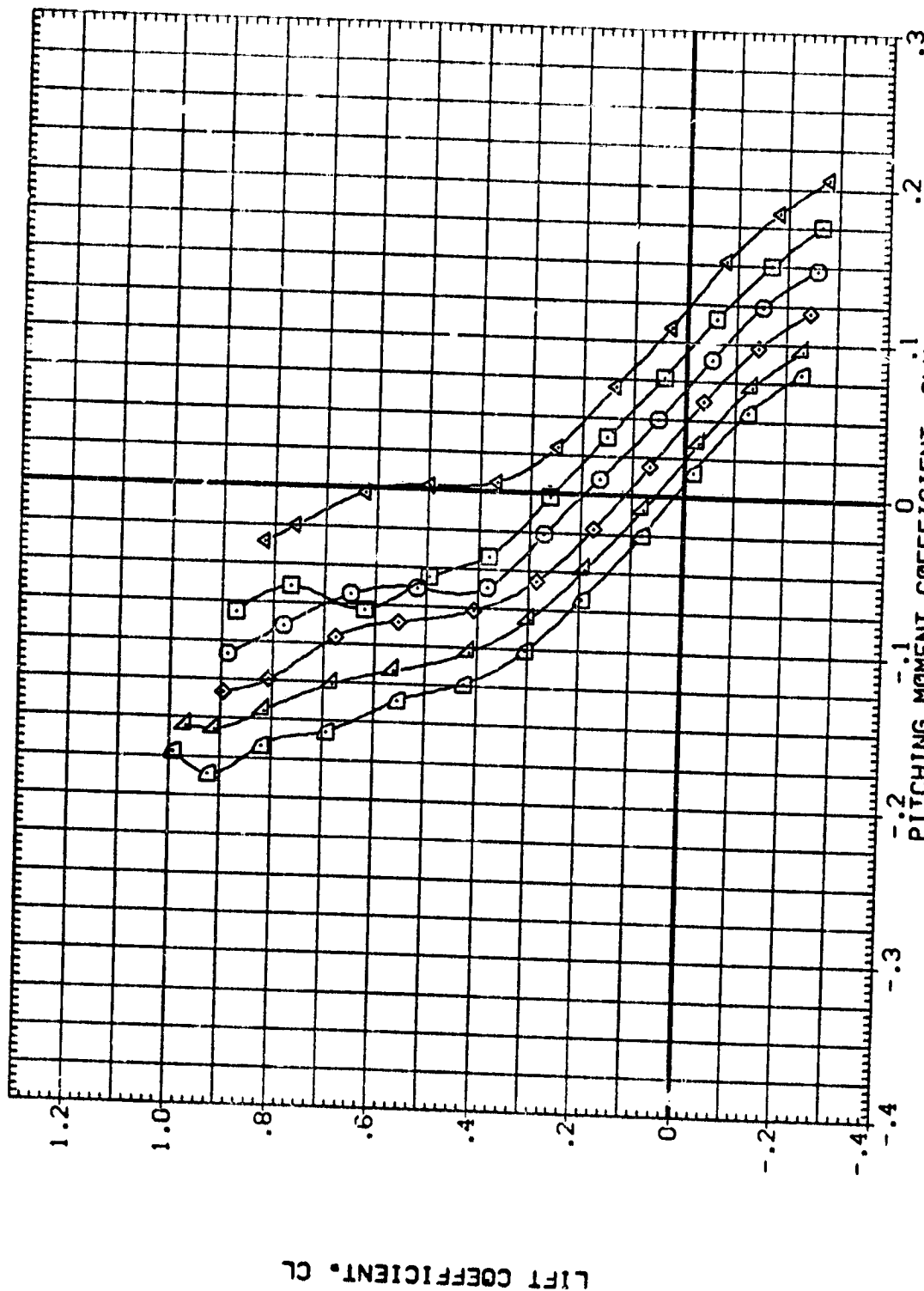


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 80.0 DEG.  
(M)MACH = .80

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000  
-14.300 .000 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) VS B2 T  
(BAG090) VS B2 T  
(BAG074) VS B2 T  
(BAG046) VS B2 T  
(BAG042) VS B2 T  
(ZAG096) VS B2 T

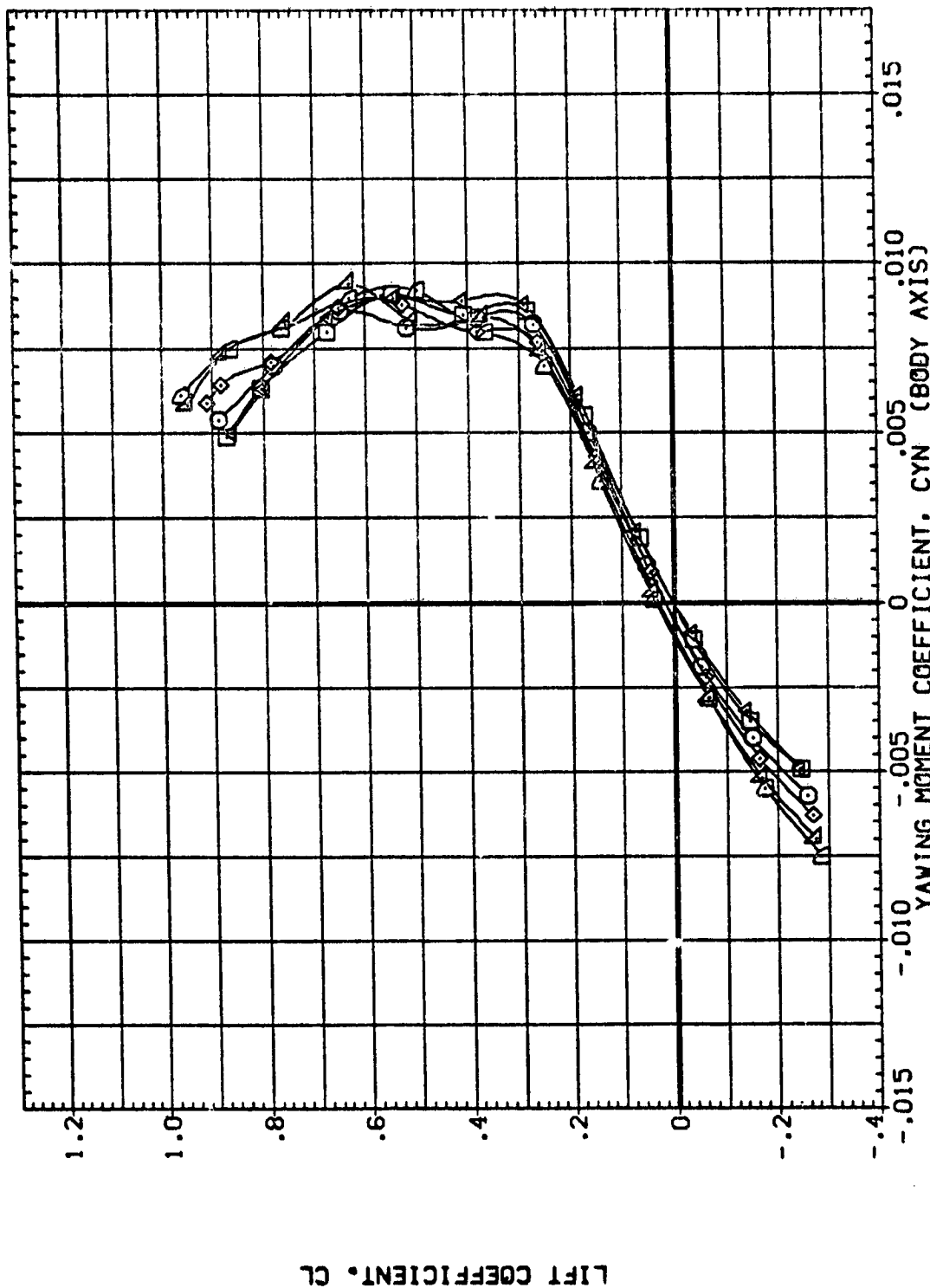


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
C/MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZAG115)	V5 B2 T
(BAG093)	V5 B2 T
(BAG077)	V5 B2 T
(BAG036)	V5 B2 T
(ZAG024)	V5 B2 T
(ZAG097)	V5 B2 T

AIL-L	AIL-R	HORIZT
.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

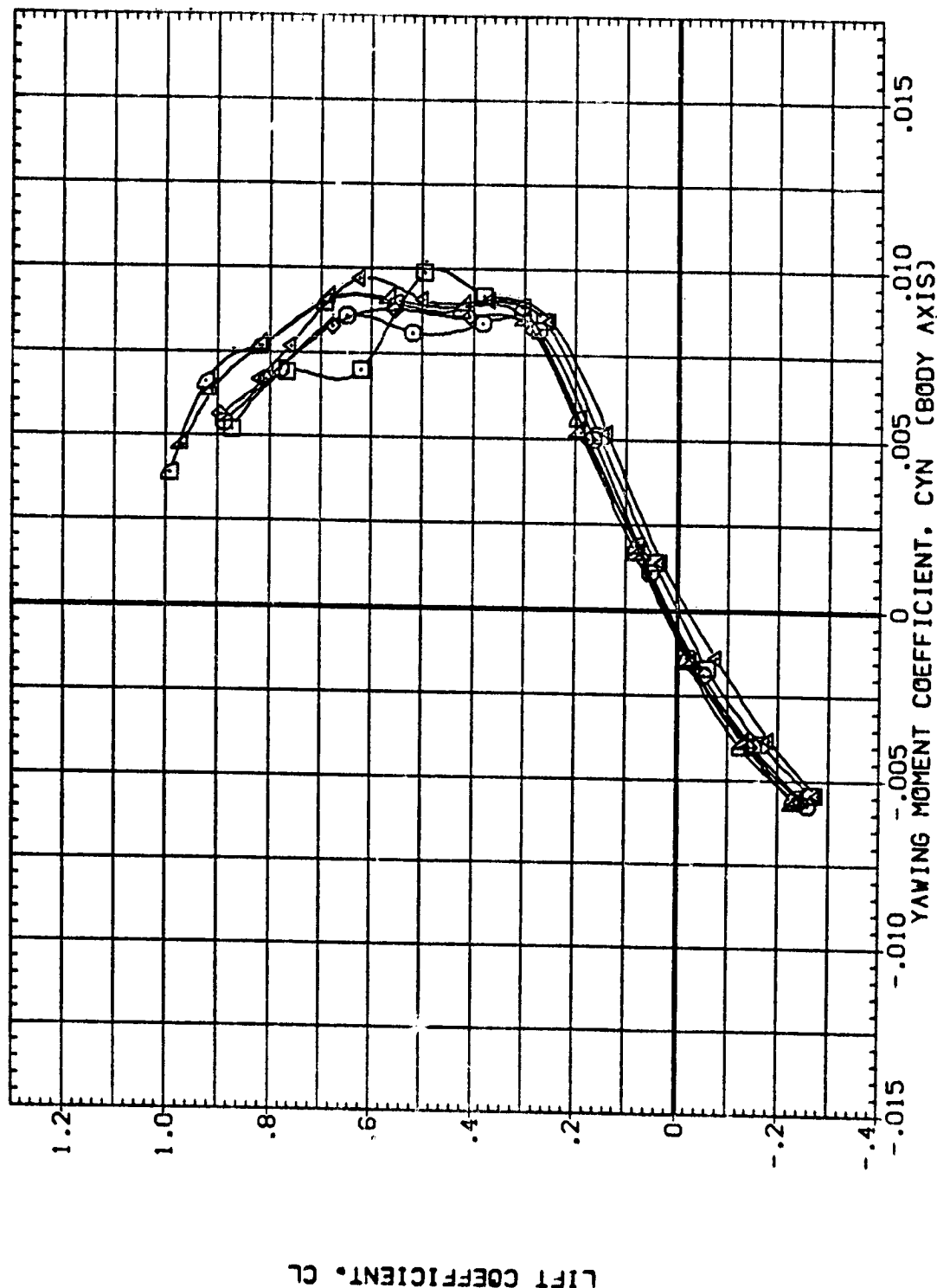


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(A)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZAG1115)	V5 B2 T
(BAG0080)	V5 B2 T
(BAG0074)	V5 B2 T
(BAG0046)	V5 B2 T
(BAG0042)	V5 B2 T
(ZAG0036)	V5 B2 T

AIL-L AIL-R HORIZT

AIL-L	AIL-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

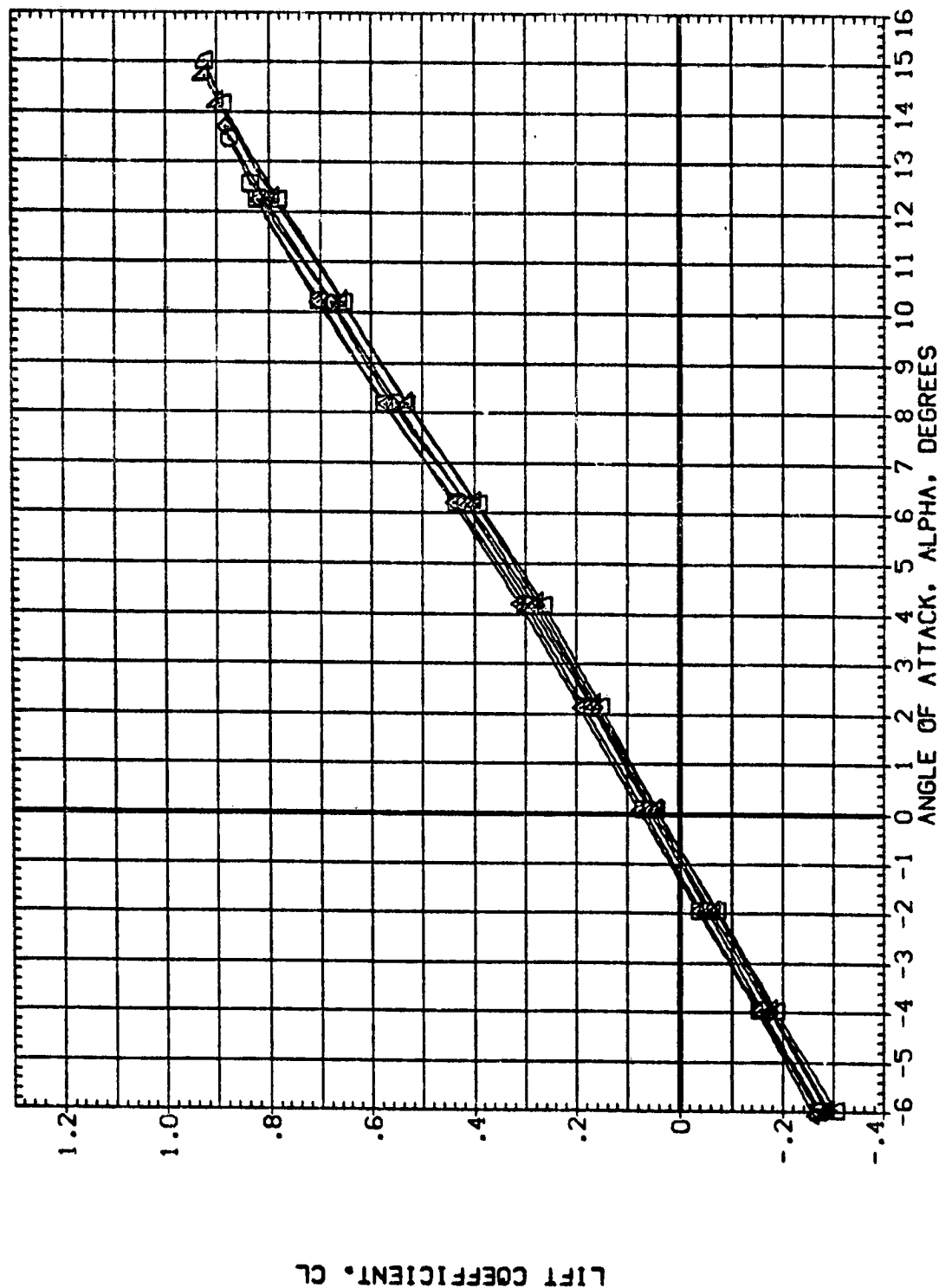


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =60.0 DEG.  
(B)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG015) V5 B2 T  
 (BAG083) V5 B2 T  
 (BAG077) V5 B2 T  
 (BAG038) V5 B2 T  
 (BAG034) V5 B2 T  
 (ZAG037) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

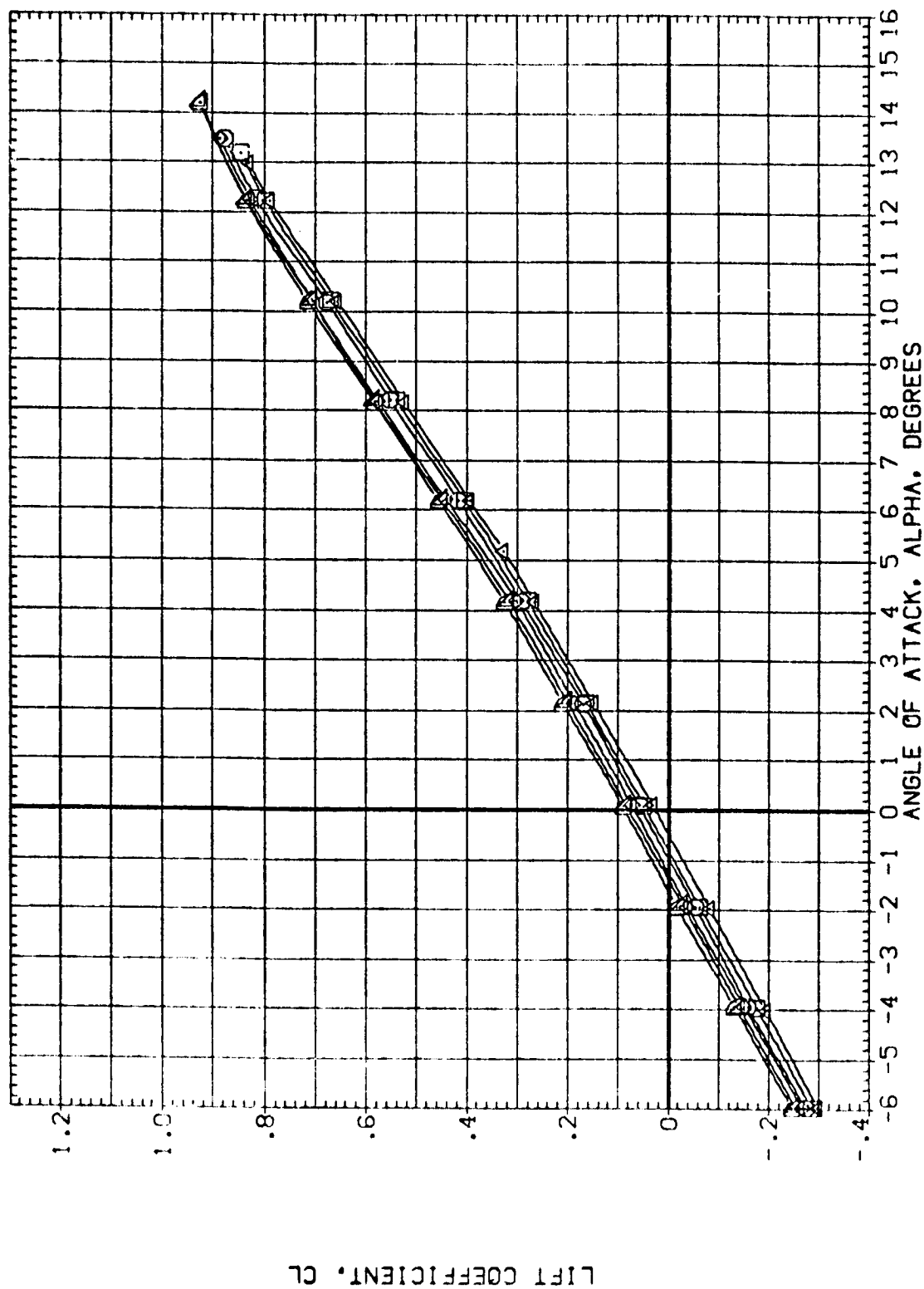


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(B)MACH = .95

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T  
 (BAG080) V5 B2 T  
 (BAG074) V5 B2 T  
 (BAG046) V5 B2 T  
 (BAG042) V5 B2 T  
 (ZAG095) V5 B2 T

AIR-L AIR-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 5.000 .000 .000  
 10.100 .000 .000  
 10.700 .000 .000  
 -14.300 .000 .000

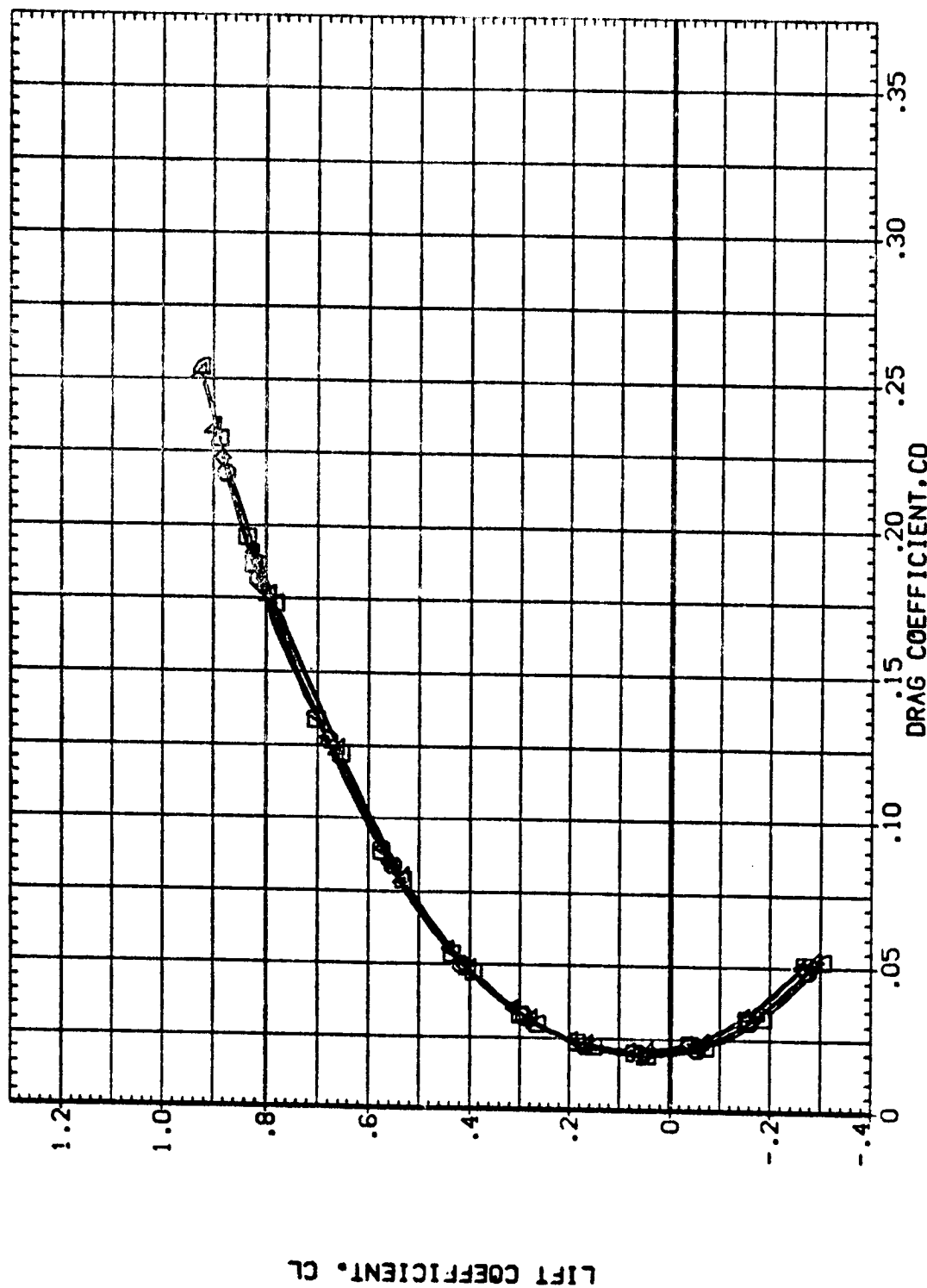


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (B)MACH = .95 PAGE 94



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (BA0083) V5 B2 T  
 (BA0077) V5 B2 T  
 (BA0038) V5 B2 T  
 (BA0034) V5 B2 T  
 (ZAG057) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 -5.000 .000 .000  
 5.000 .000 .000  
 -10.000 .000 .000  
 .000 10.000 .000  
 .000 14.000 .000

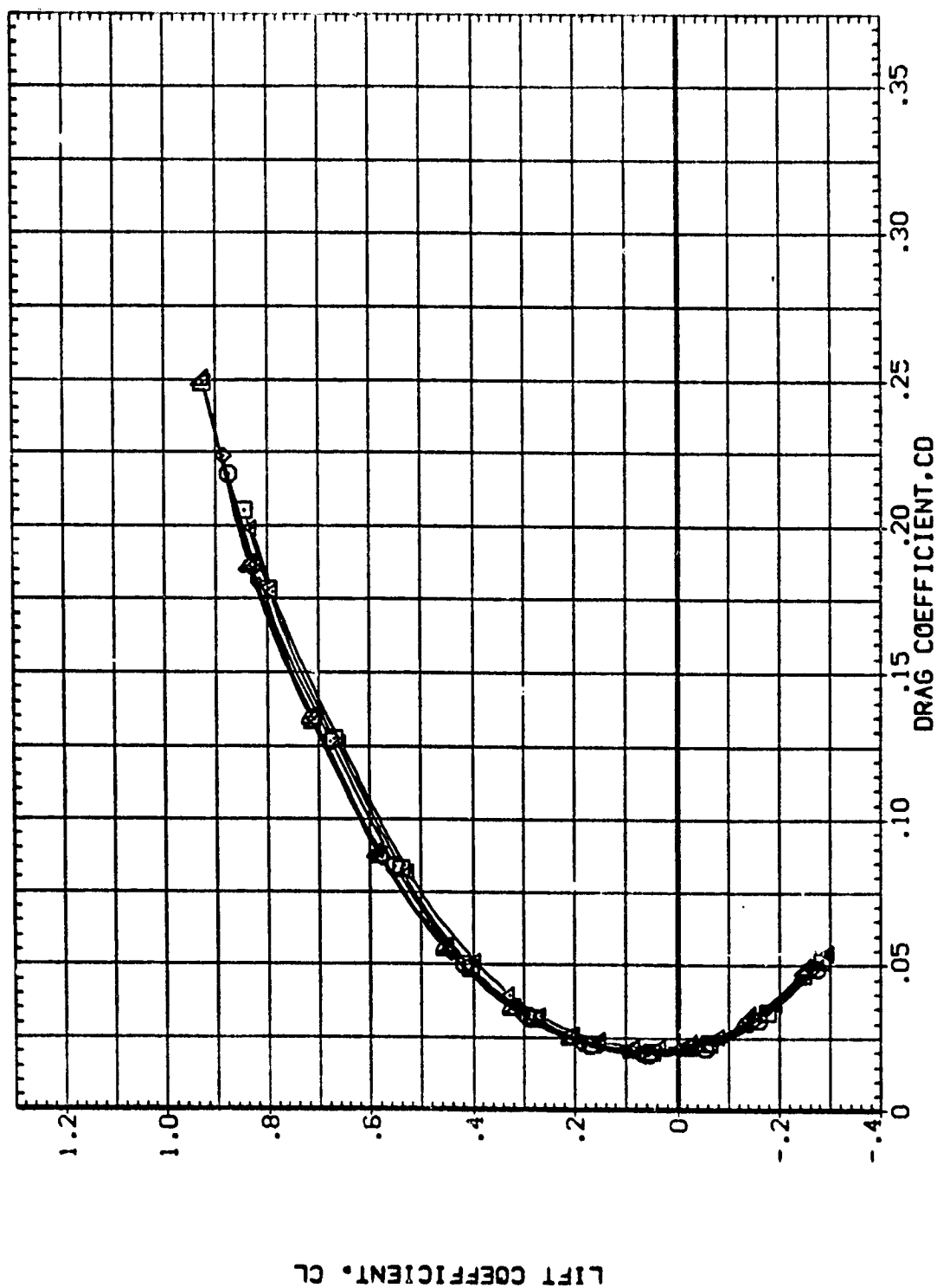


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =60.0 DEG.

(B)MACH = .95

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ORIGINAL DRAWING BY 1000

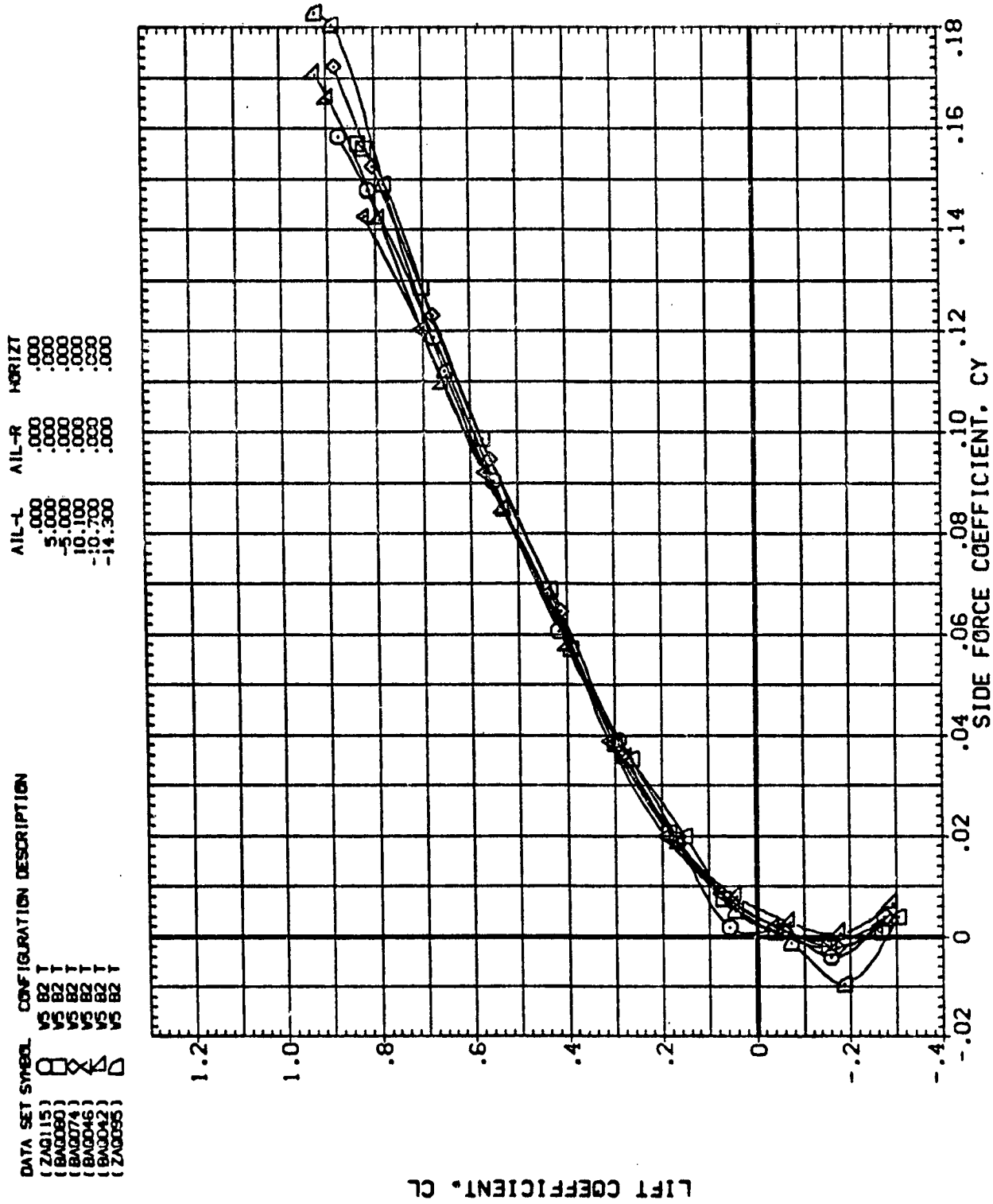


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(B)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (BAG083) V5 B2 T  
 (BAG077) V5 B2 T  
 (BAG038) V5 B2 T  
 (BAG034) V5 B2 T  
 (ZAG057) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

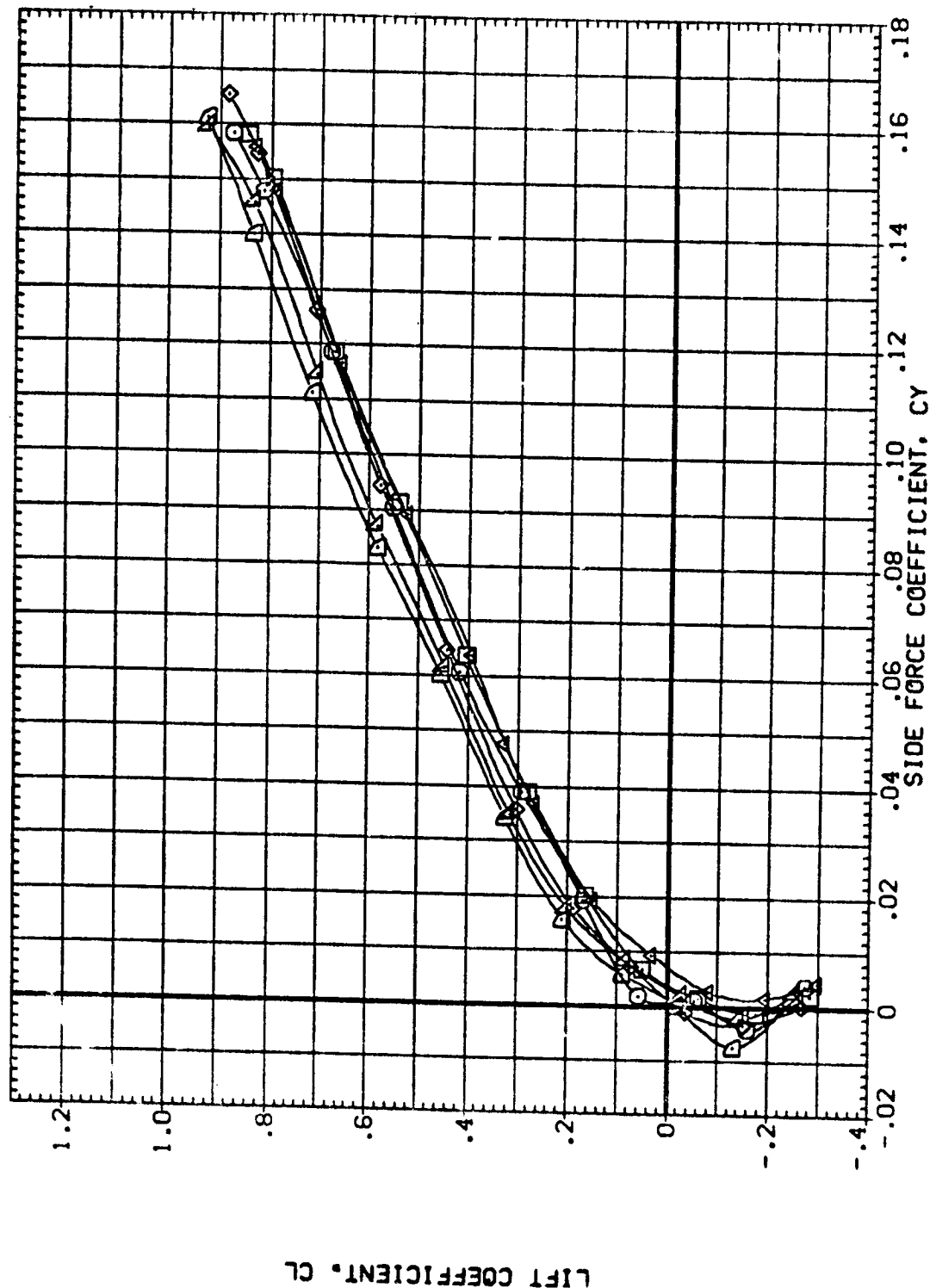


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (B) MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 T	.000	.000	.000
(BAG080)	V5 B2 T	5.000	.000	.000
(BAG074)	V5 B2 T	-5.000	.000	.000
(BAG046)	V5 B2 T	10.100	.000	.000
(BAG042)	V5 B2 T	-10.700	.000	.000
(ZAG095)	V5 B2 T	-14.300	.000	.000

DATA SET SYMBOL

CONFIGURATION DESCRIPTION

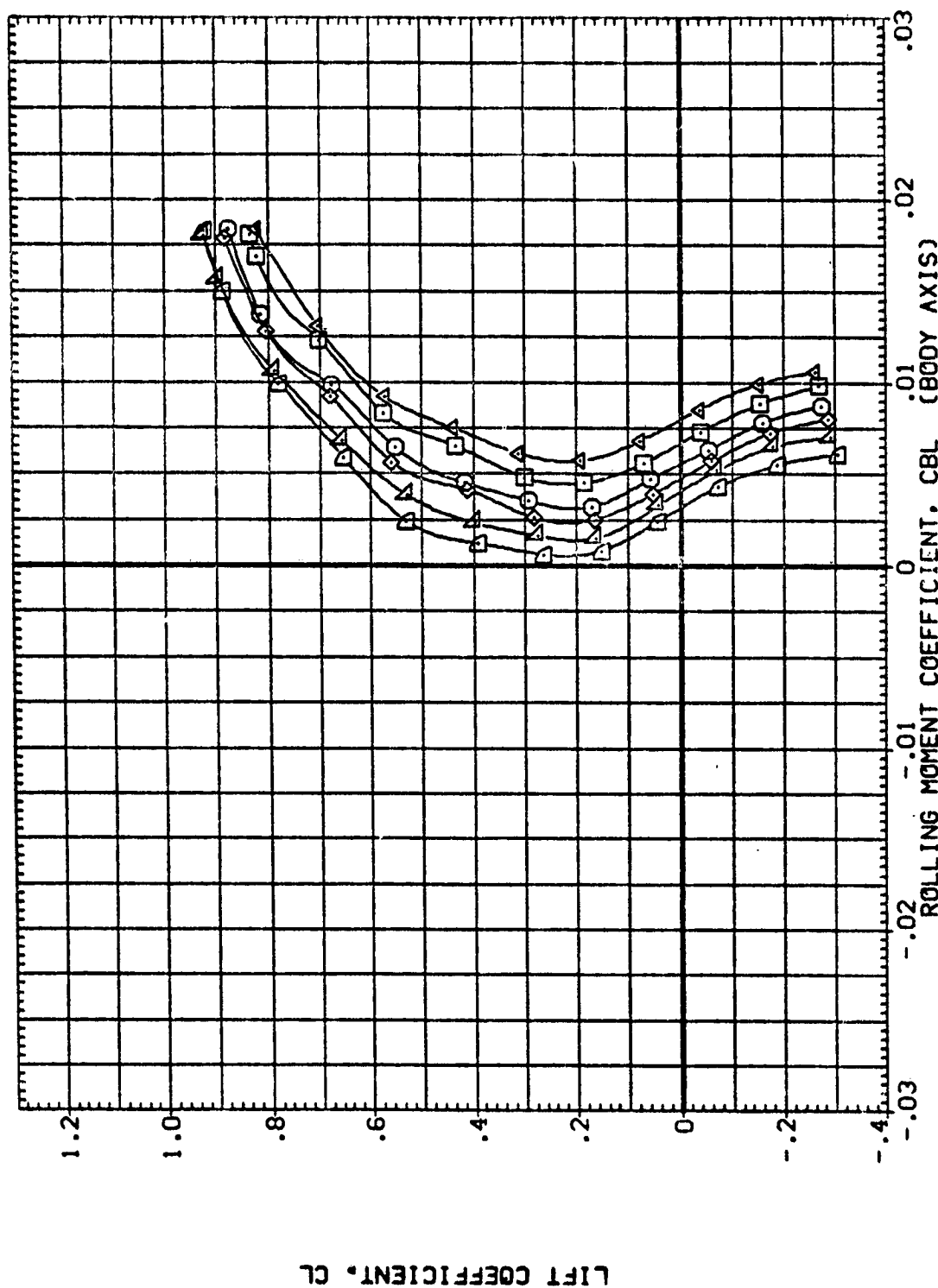


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(B)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) 15 82 T  
 (BAG083) 15 82 T  
 (BAG077) 15 82 T  
 (BAG038) 15 82 T  
 (BAG034) 15 82 T  
 (ZAG097) 15 82 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

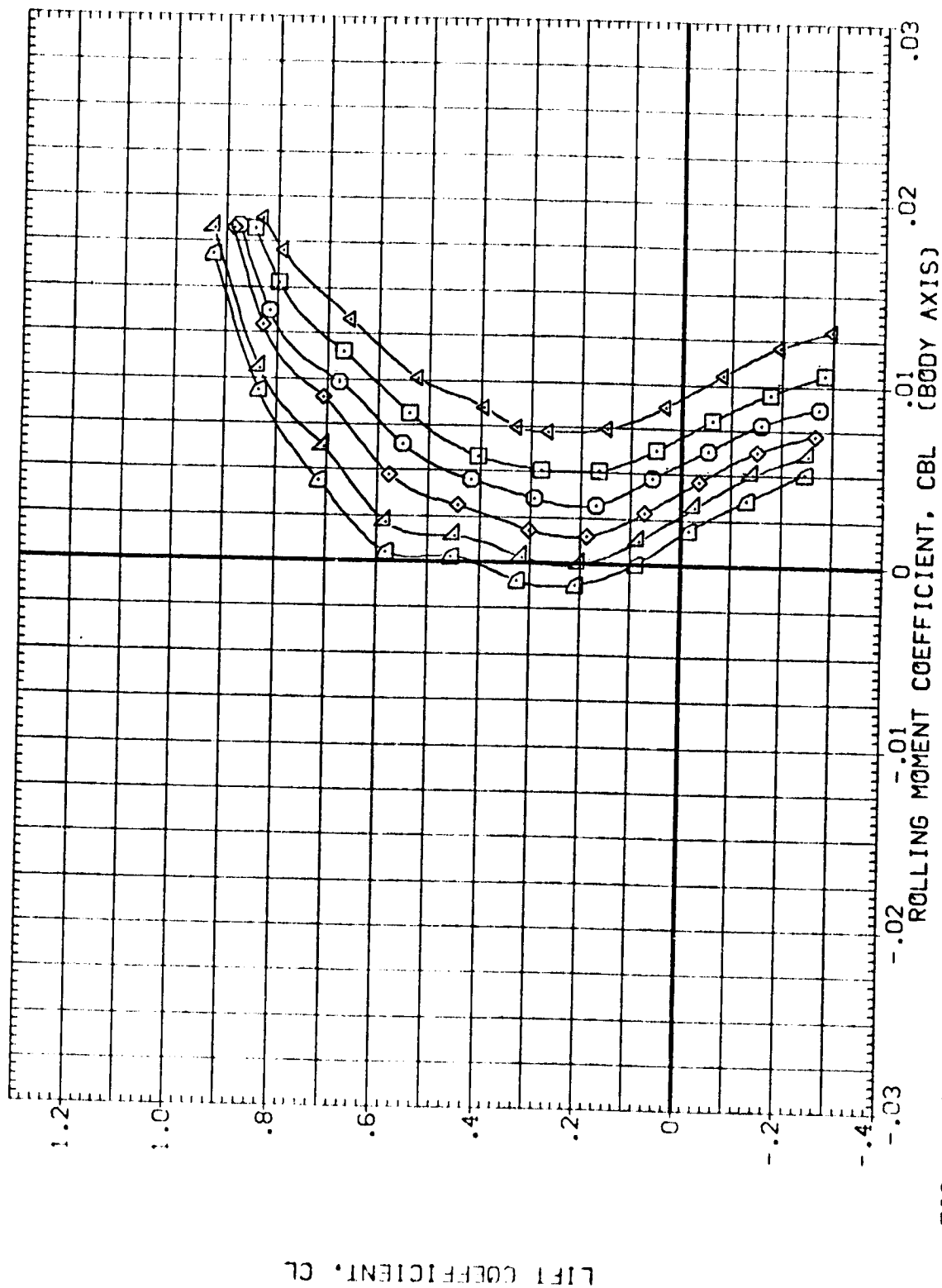
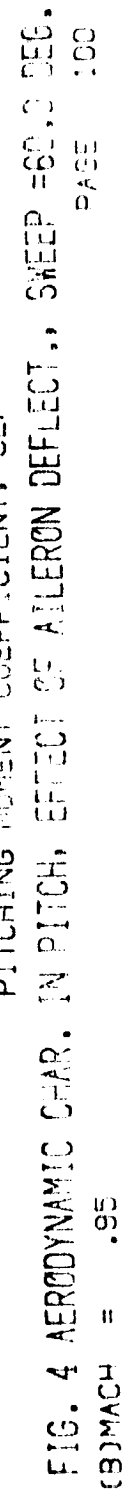


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (B)MACH = .95



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 1	.000	.000	.000
(BAG083)	V5 B2 1	.000	-5.000	.000
(BAG077)	V5 B2 1	.000	5.000	.000
(BAG038)	V5 B2 1	.000	-10.000	.000
(BAG034)	V5 B2 1	.000	10.000	.000
(ZAG097)	V5 B2 1	.000	14.000	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZAG115)	V5 B2 1
(BAG083)	V5 B2 1
(BAG077)	V5 B2 1
(BAG038)	V5 B2 1
(BAG034)	V5 B2 1
(ZAG097)	V5 B2 1

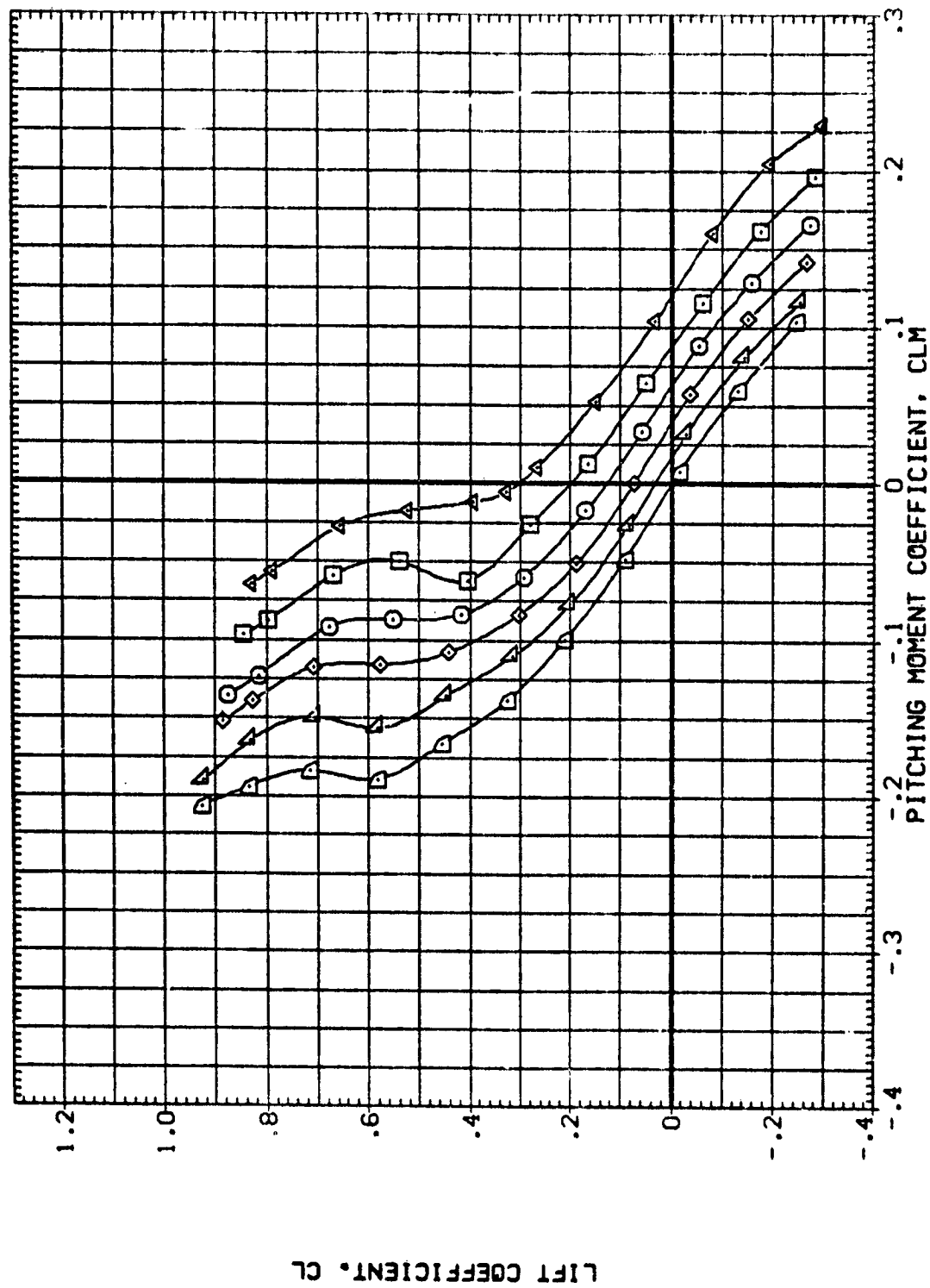


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(B)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZAG115)	V5 B2 T
(BAG080)	V5 B2 T
(BAG074)	V5 B2 T
(BAG046)	V5 B2 T
(BAG042)	V5 B2 T
(ZAG095)	V5 B2 T

AIL-L	AIL-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

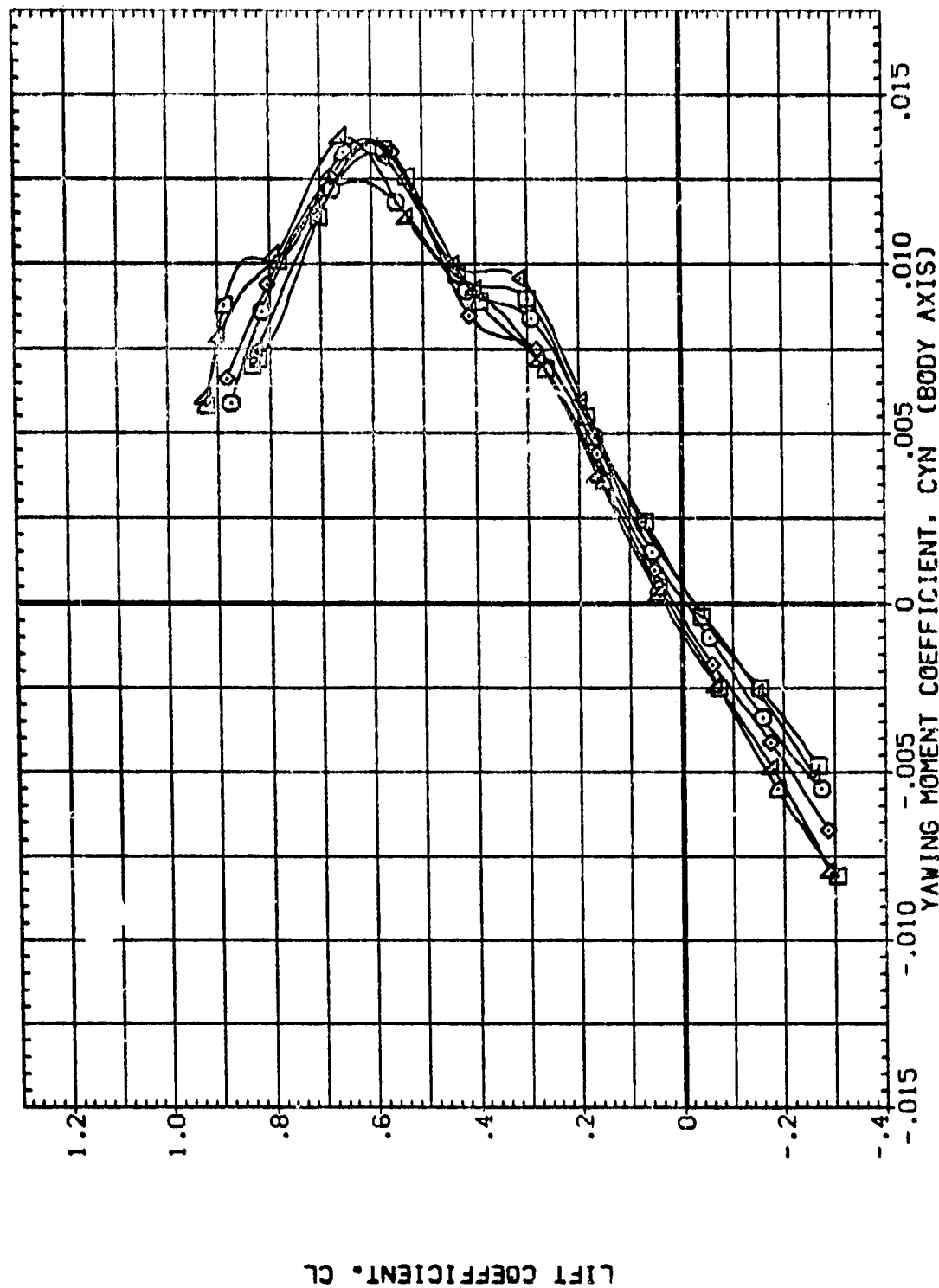


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(B)MACH = .95



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (BAG083) V5 B2 T  
 (BAG077) V5 B2 T  
 (BAG038) V5 B2 T  
 (BAG034) V5 B2 T  
 (ZAG057) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.500 .000  
 .000 14.000 .000

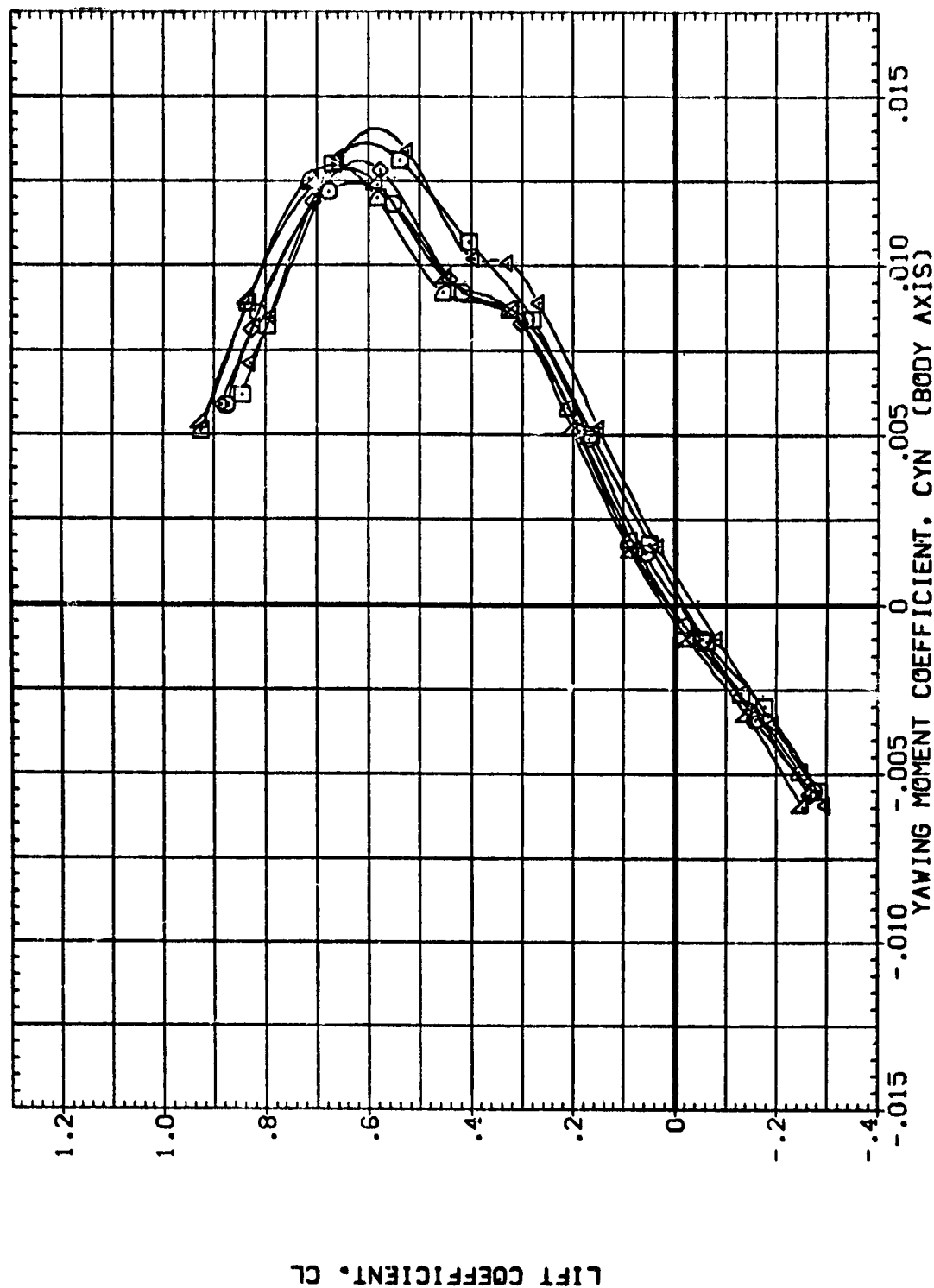


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (B)MACH = .95

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ORIGINAL REPORT

AIL-L AIL-R HORI-ZT  
0.000 0.000 0.000  
5.000 0.000 0.000  
-5.000 0.000 0.000  
10.100 0.000 0.000  
-10.700 0.000 0.000  
-14.300 0.000 0.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
D X D  
(ZAG115) V5 B2 T  
(BAG060) V5 B2 T  
(BAG07A) V5 B2 T  
(BAG046) V5 B2 T  
(BAG042) V5 B2 T  
(ZAG055) V5 B2 T

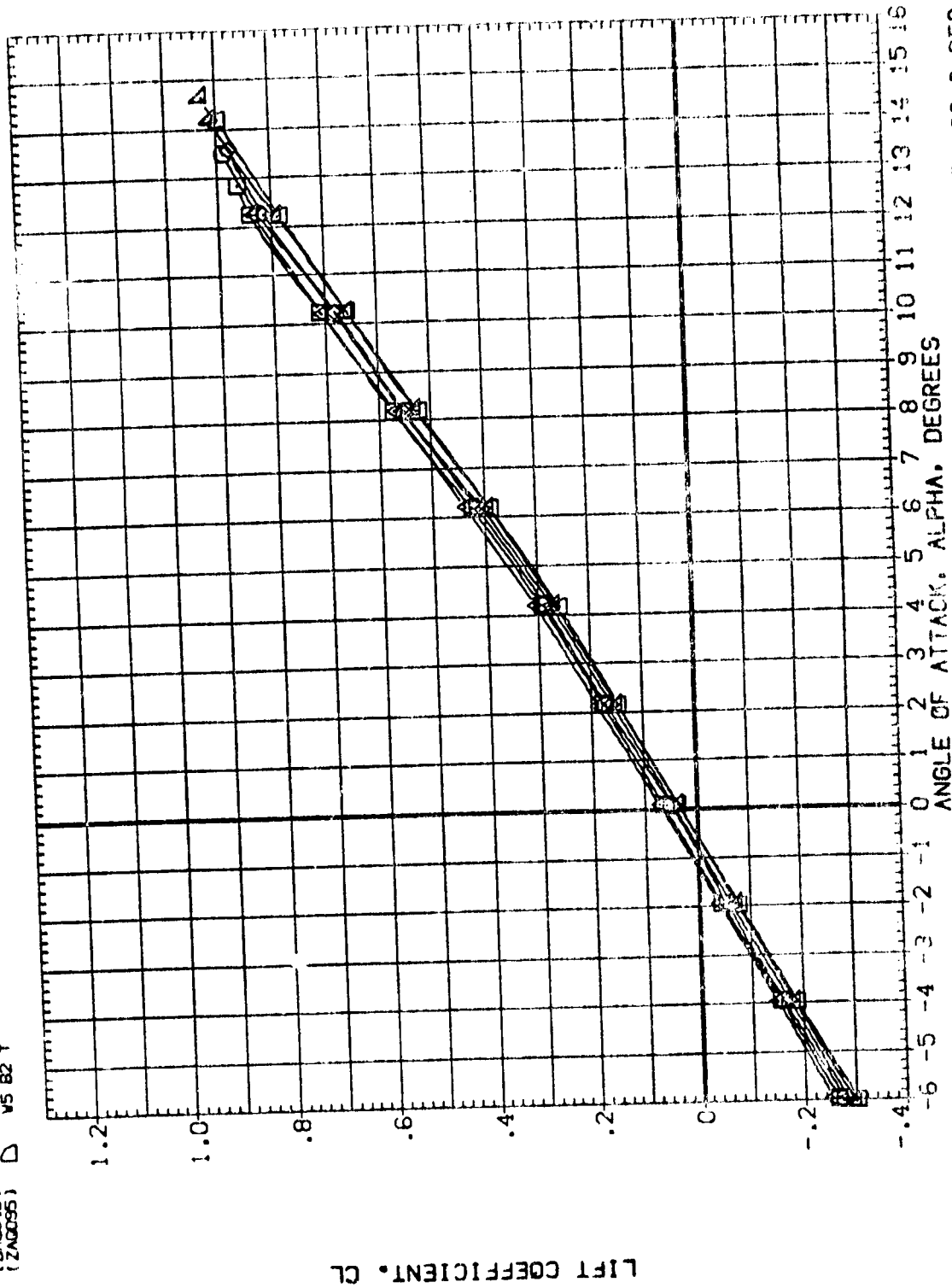


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 50.0 DEG.  
COMACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)  
(BAG083)  
(BAG077)  
(BAG038)  
(BAG034)  
(ZAG097)

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 -5.000 .000  
.000 5.000 .000  
.000 -10.000 .000  
.000 10.600 .000  
.000 14.000 .000

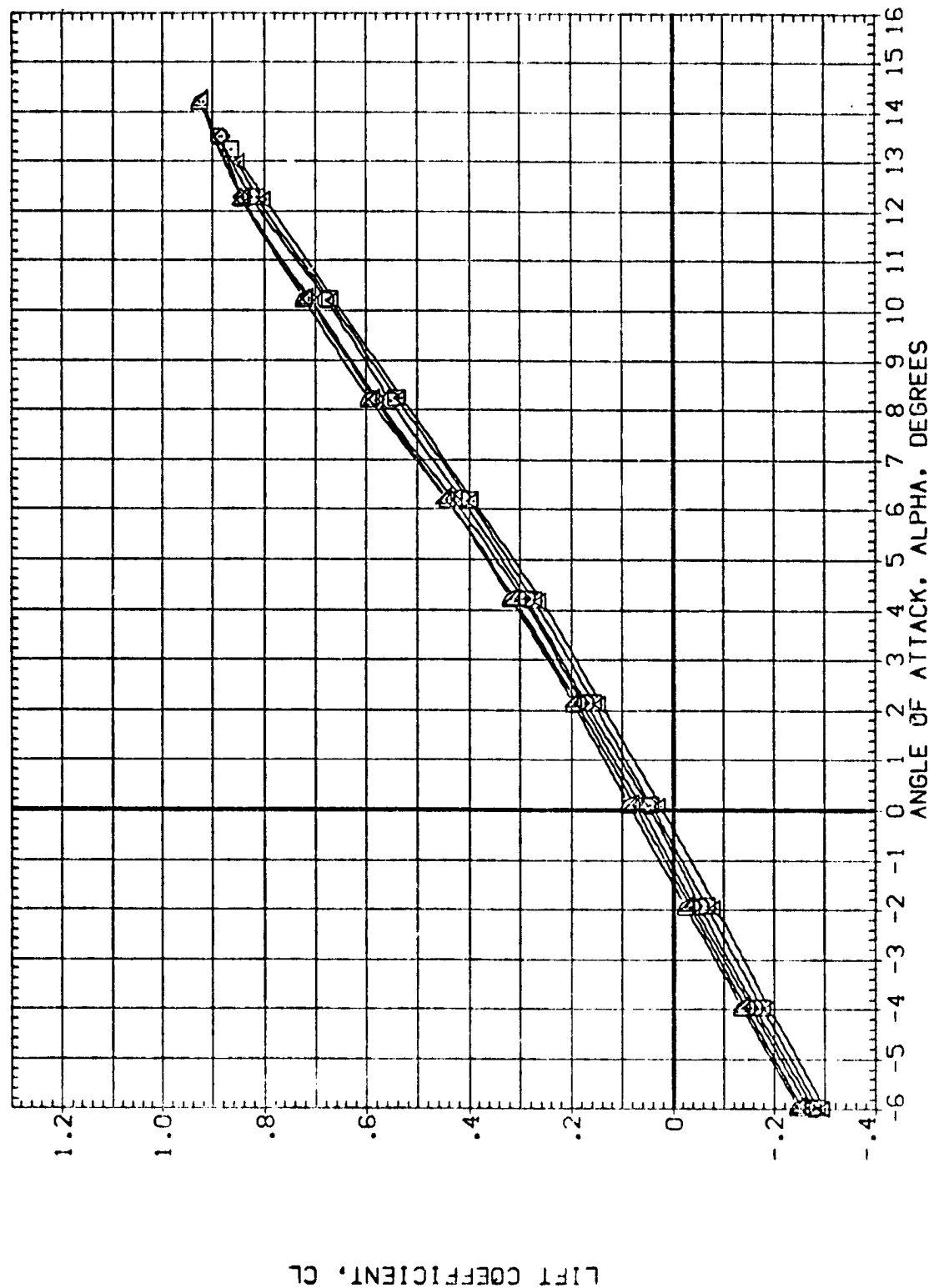


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =60.0 DEG.

(C)MACH = .98

DATA SET SYMBOL    CONFIGURATION DESCRIPTION

(ZAG115)	V5 B2 T
(BAG080)	V5 B2 T
(BAG074)	V5 B2 T
(BAG046)	V5 B2 T
(BAG042)	V5 B2 T
(ZAG055)	V5 B2 T

AIR-L	AIR-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

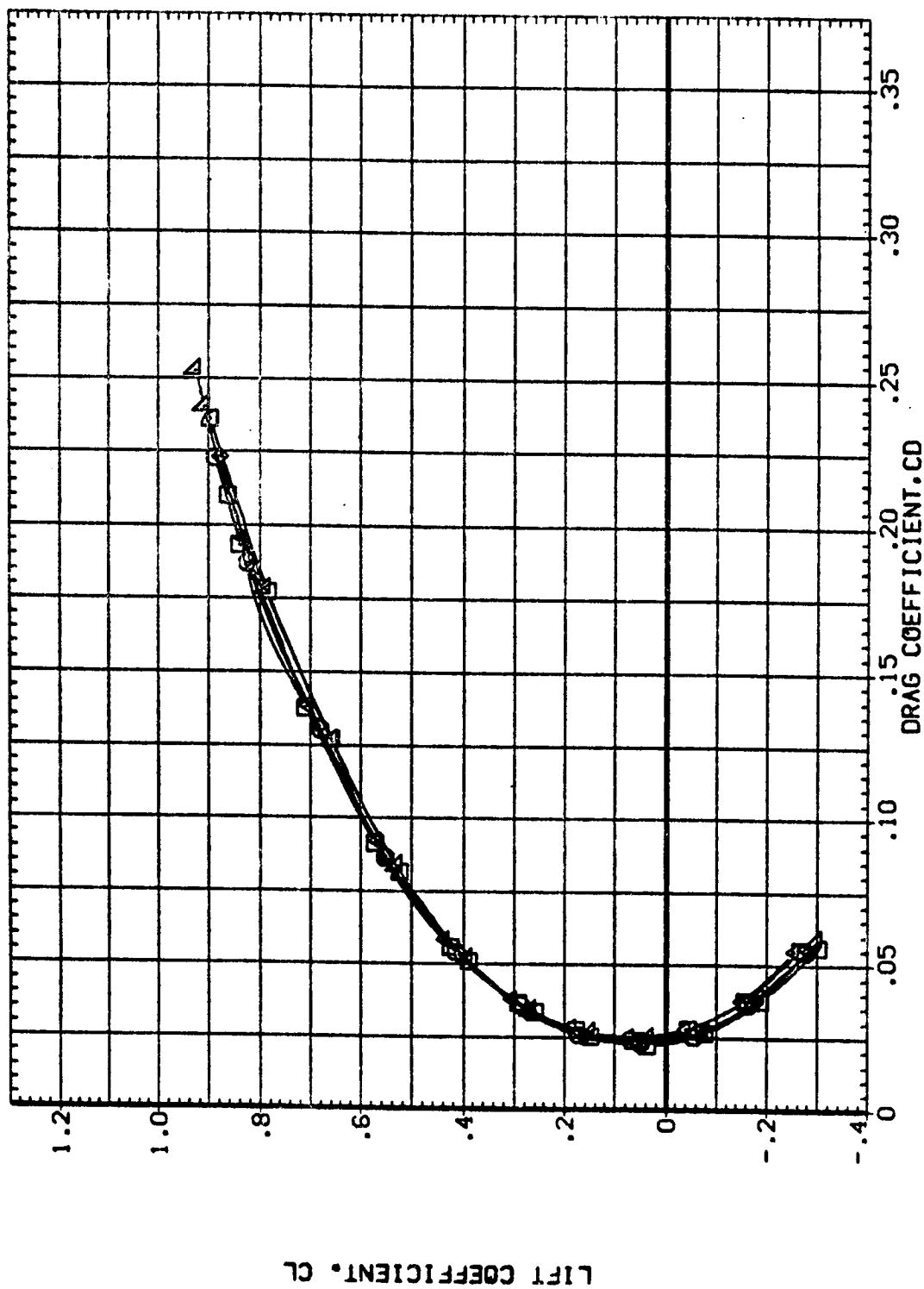


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = .98

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (ZAG1115) V5 B2 T  
 (BAG083) V5 B2 T  
 (BAG077) V5 B2 T  
 (BAG073) V5 B2 T  
 (BAG074) V5 B2 T  
 (ZAG057)

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

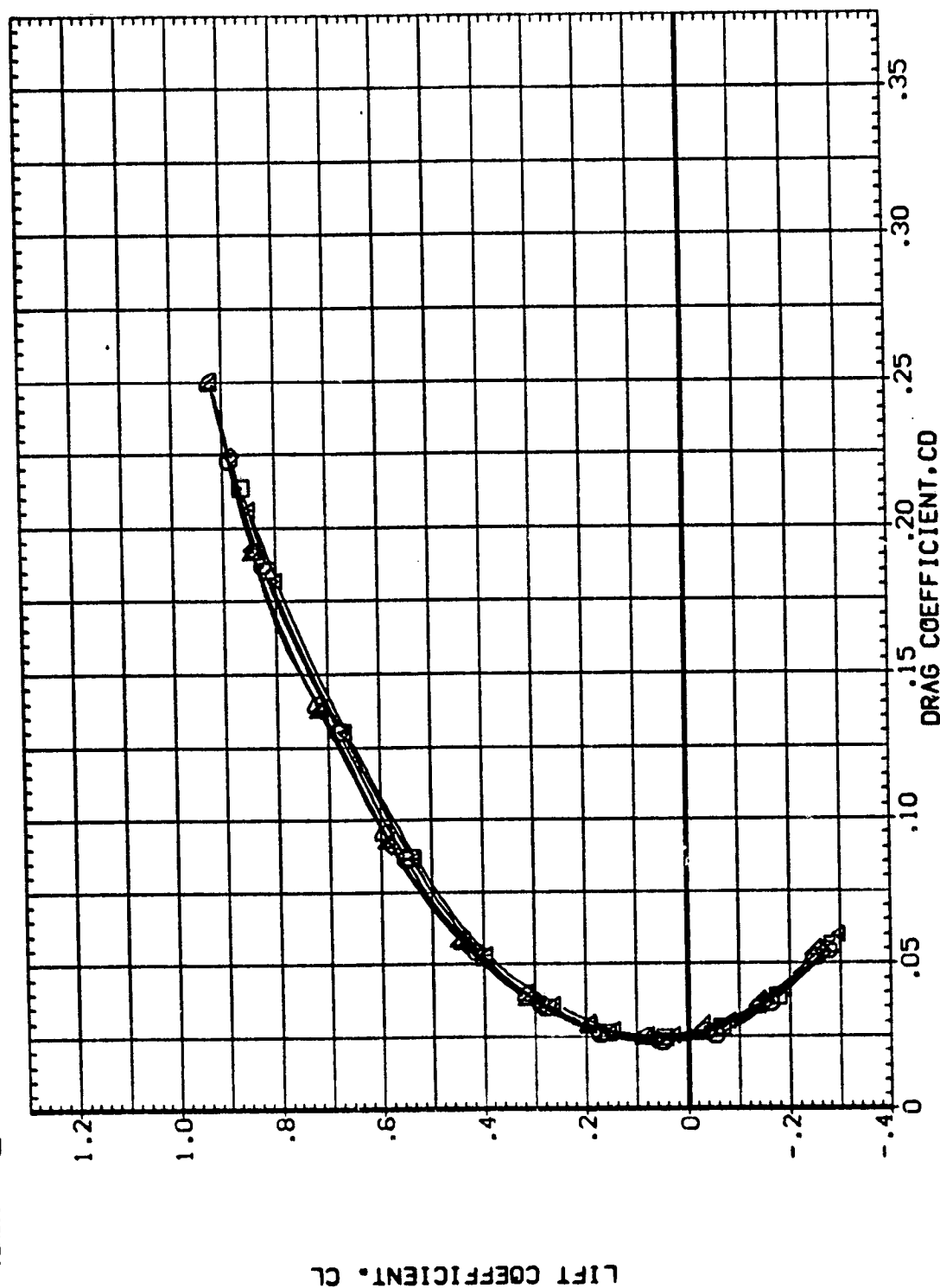


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =60.0 DEG.

(C)MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZAG115)	V5 B2 T
(BA0080)	V5 B2 T
(BA0074)	V5 B2 T
(BA0046)	V5 B2 T
(BA0042)	V5 B2 T
(ZAG055)	V5 B2 T

AIL-L	AIL-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

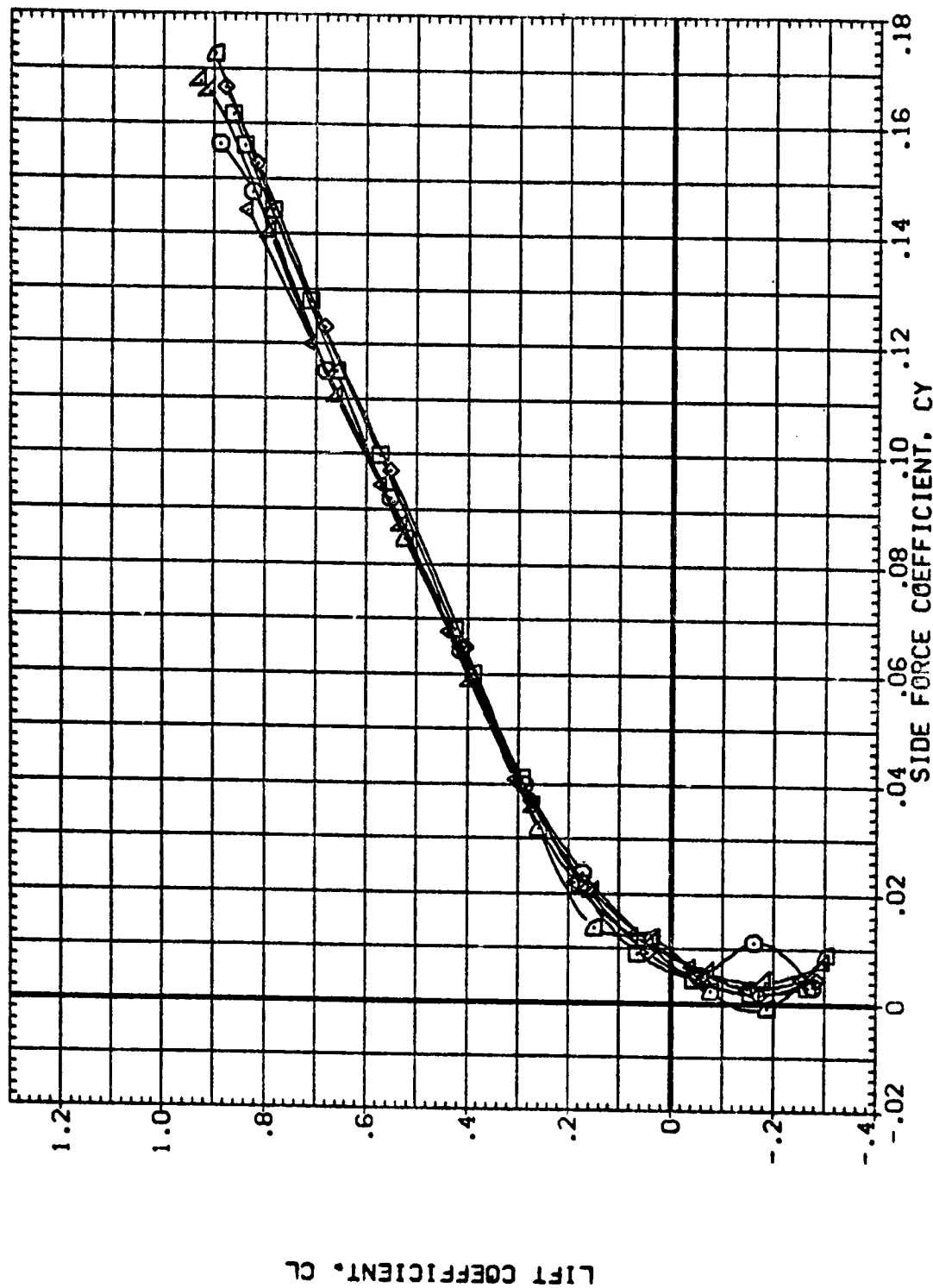


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAO115)  
(BAG083)  
(BAG077)  
(BAG038)  
(BAG034)  
(ZAO097)

V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 -5.000 .000  
.000 5.000 .000  
.000 -10.000 .000  
.000 10.000 .000  
.000 14.000 .000

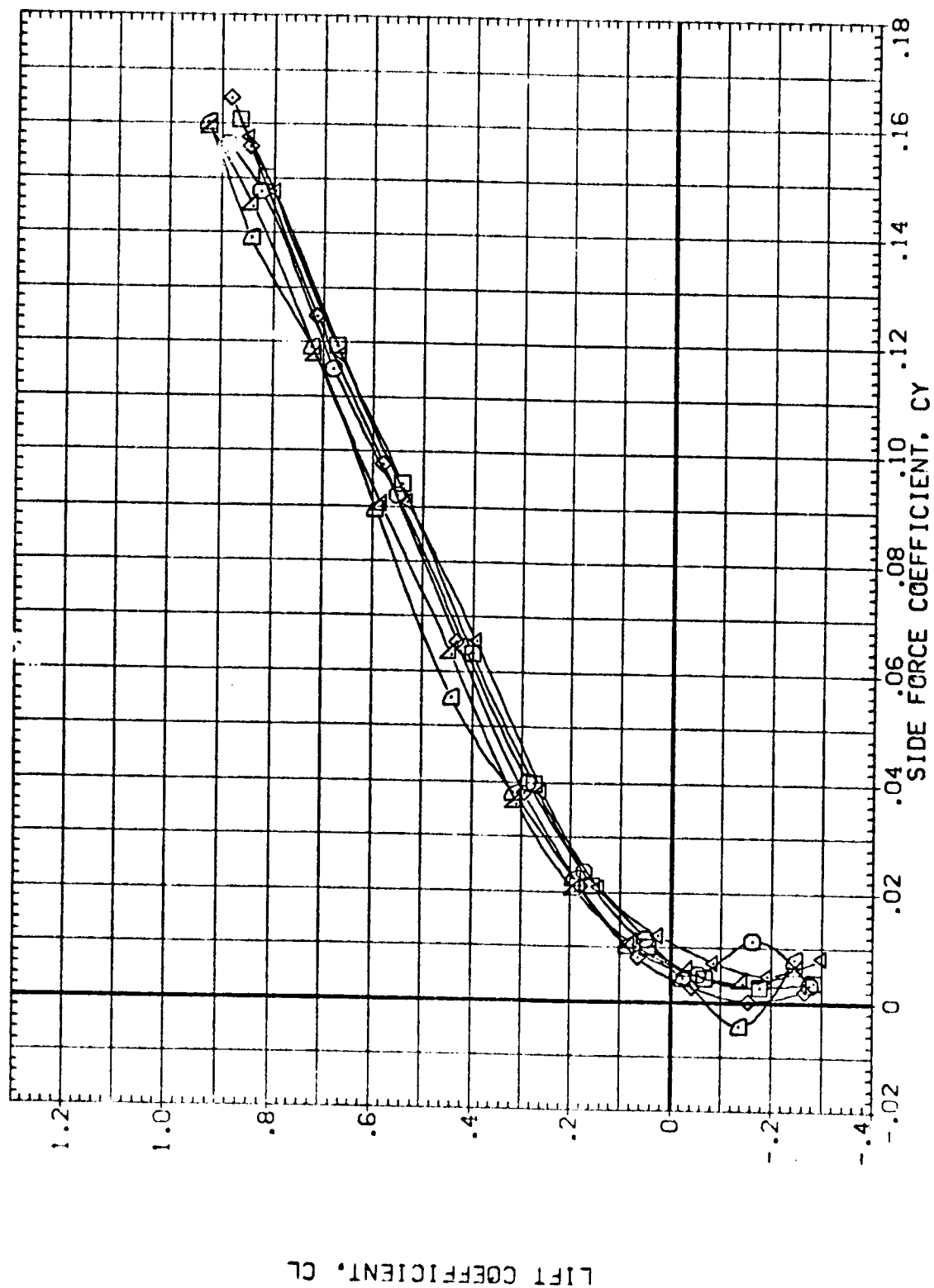


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =60.0 DEG.

(C)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG015) V5 B2 T  
 (BAG080) V5 B2 T  
 (BAG074) V5 B2 T  
 (BAG046) V5 B2 T  
 (BAG042) V5 B2 T  
 (ZAG095) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 -10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

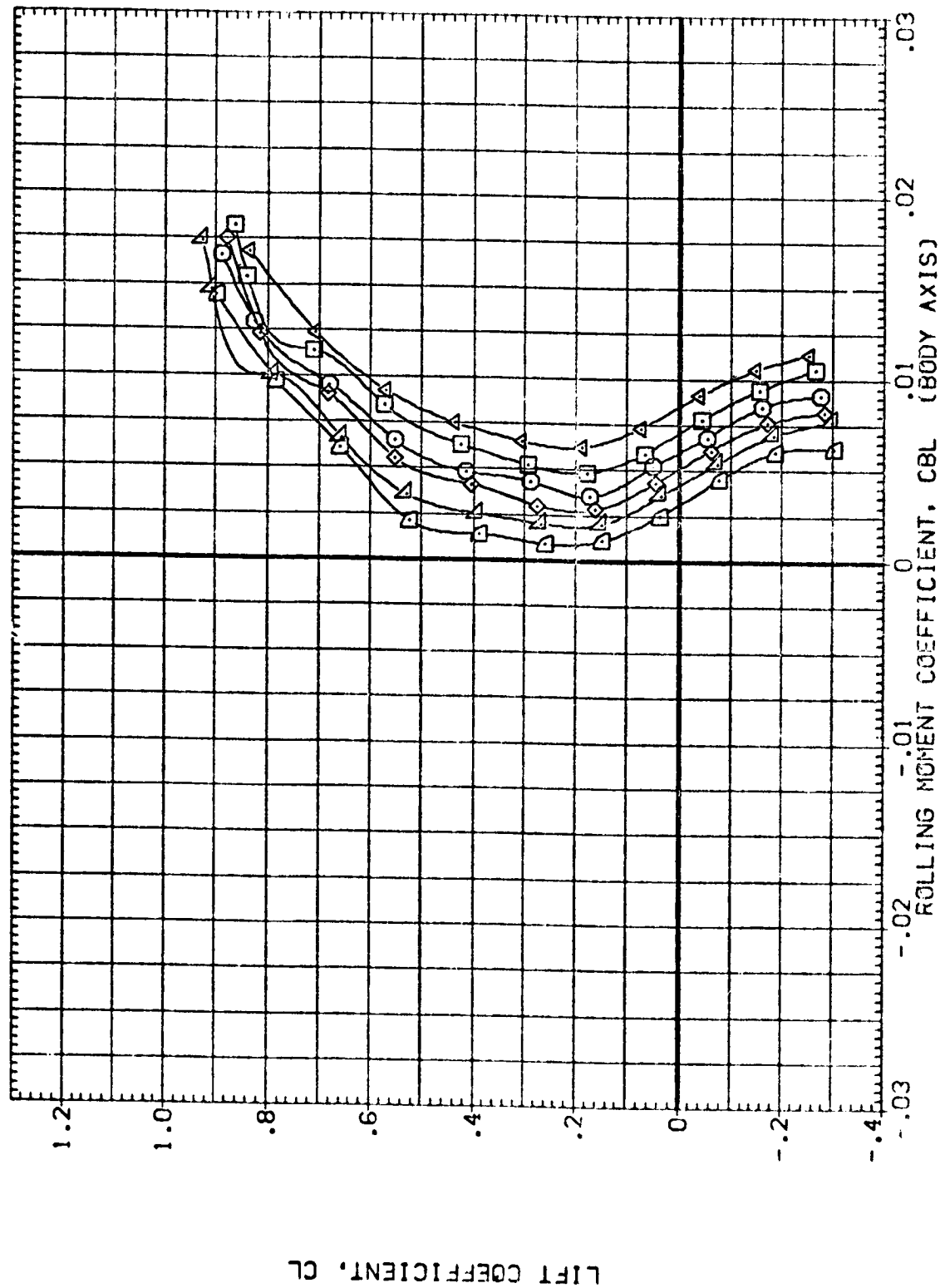


FIG. 4 AERODYNAMIC CHAR. IN PITCH. EFFECT OF AILERON DEFLECT., SWEEP = 80.0 DEG.

(C)MACH = .93



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZAG115)	V5 B2 T
(ZAG082)	V5 B2 T
(ZAG077)	V5 B2 T
(ZAG038)	V5 B2 T
(ZAG034)	V5 B2 T
(ZAG037)	V5 B2 T

AIL-L	AIL-R	WPR1ZT
.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.070	.000

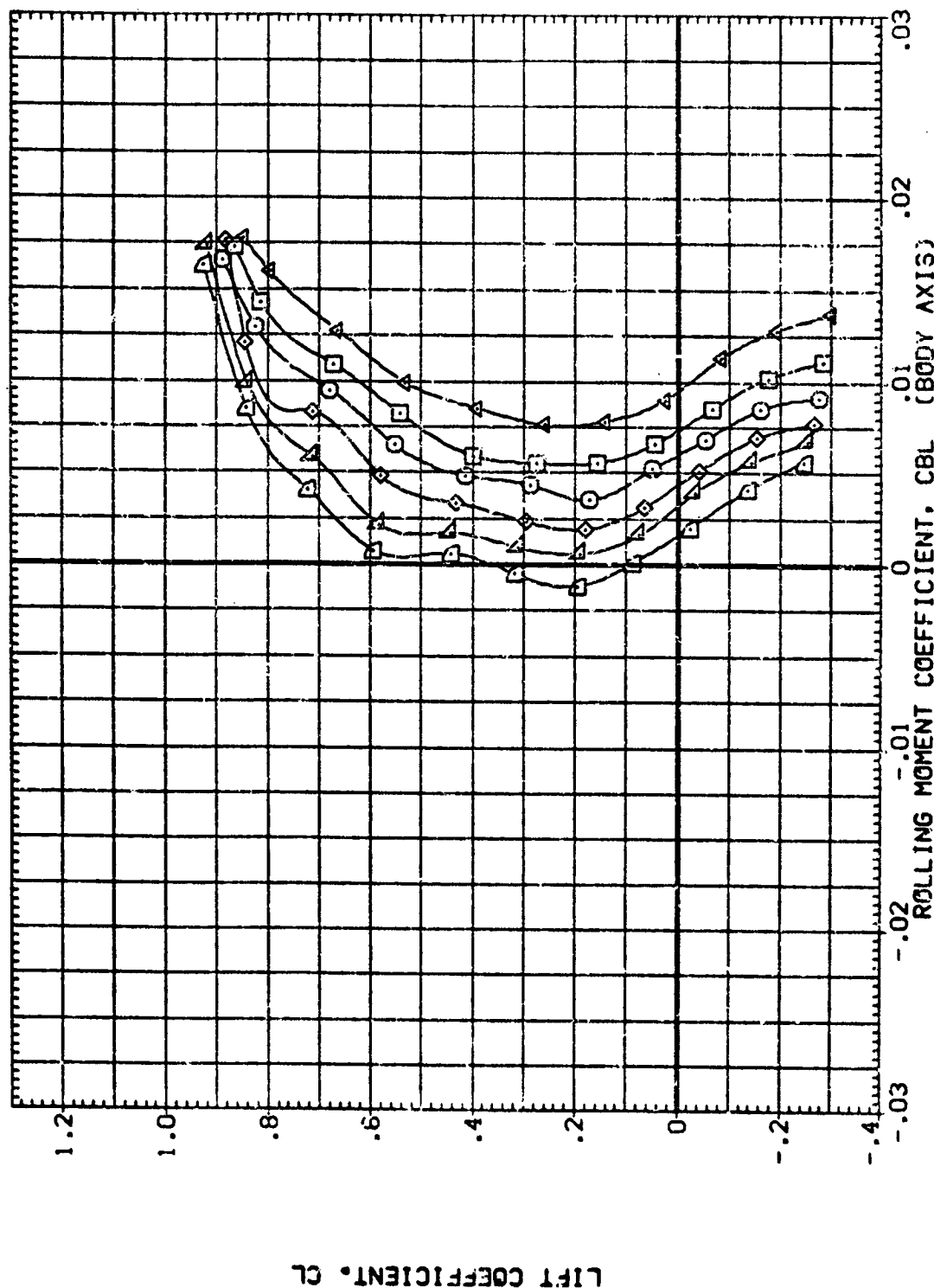


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = .98

REPRODUCED FROM  
ORIGINAL DOCUMENT

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
(ZAG115) V3 B2 T  
(BAG080) V3 B2 T  
(BAG074) V3 B2 T  
(BAG046) V3 B2 T  
(BAG042) V3 B2 T  
(ZAG055) V3 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000  
-14.300 .000 .000

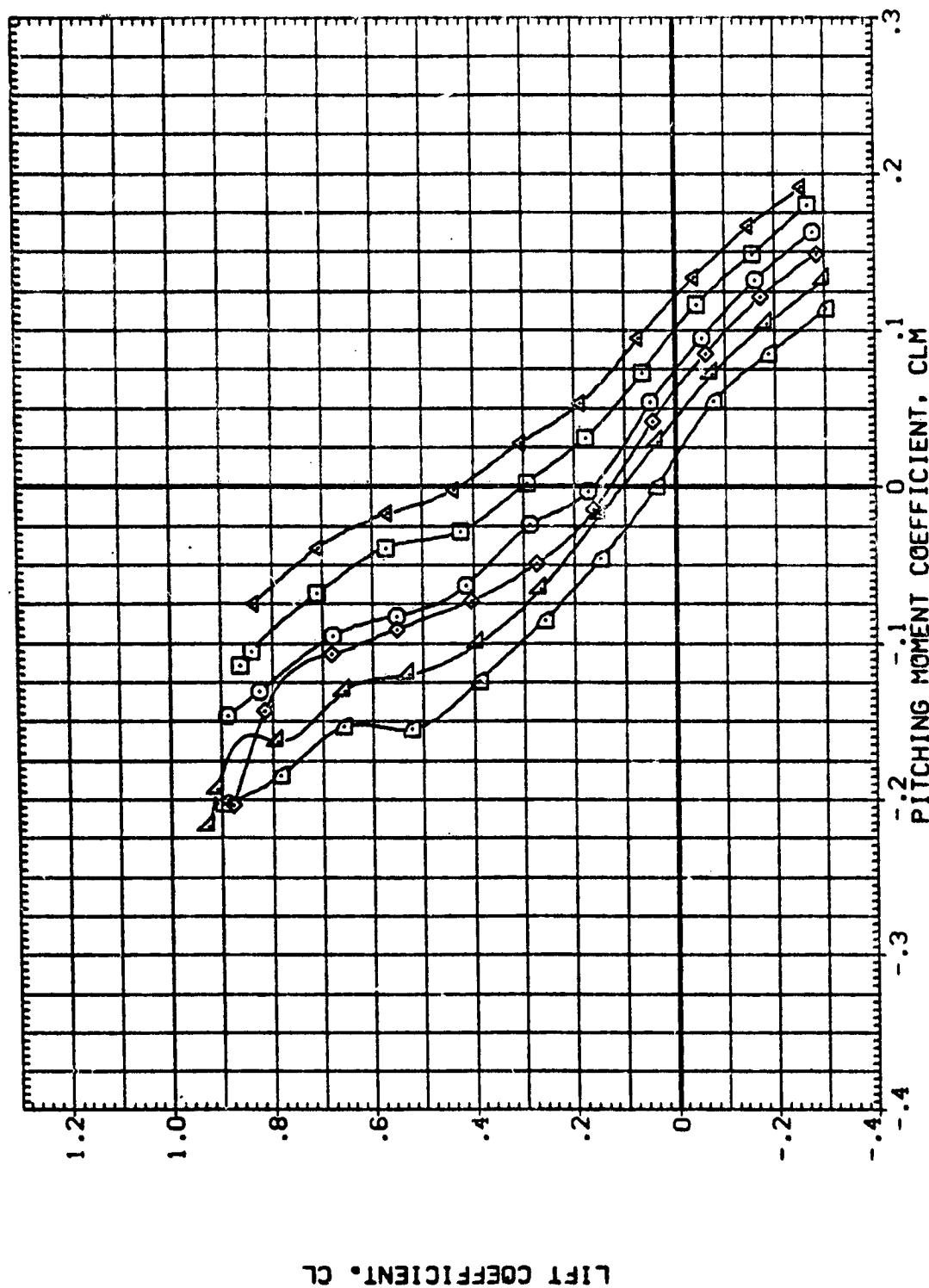


FIG. 4 AERODYNAMIC CHAR. IN PITCH; EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (BAG083) V5 B2 T  
 (BAG077) V5 B2 T  
 (BAG038) V5 B2 T  
 (BAG034) V5 B2 T  
 (ZAG057) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 14.000 .000

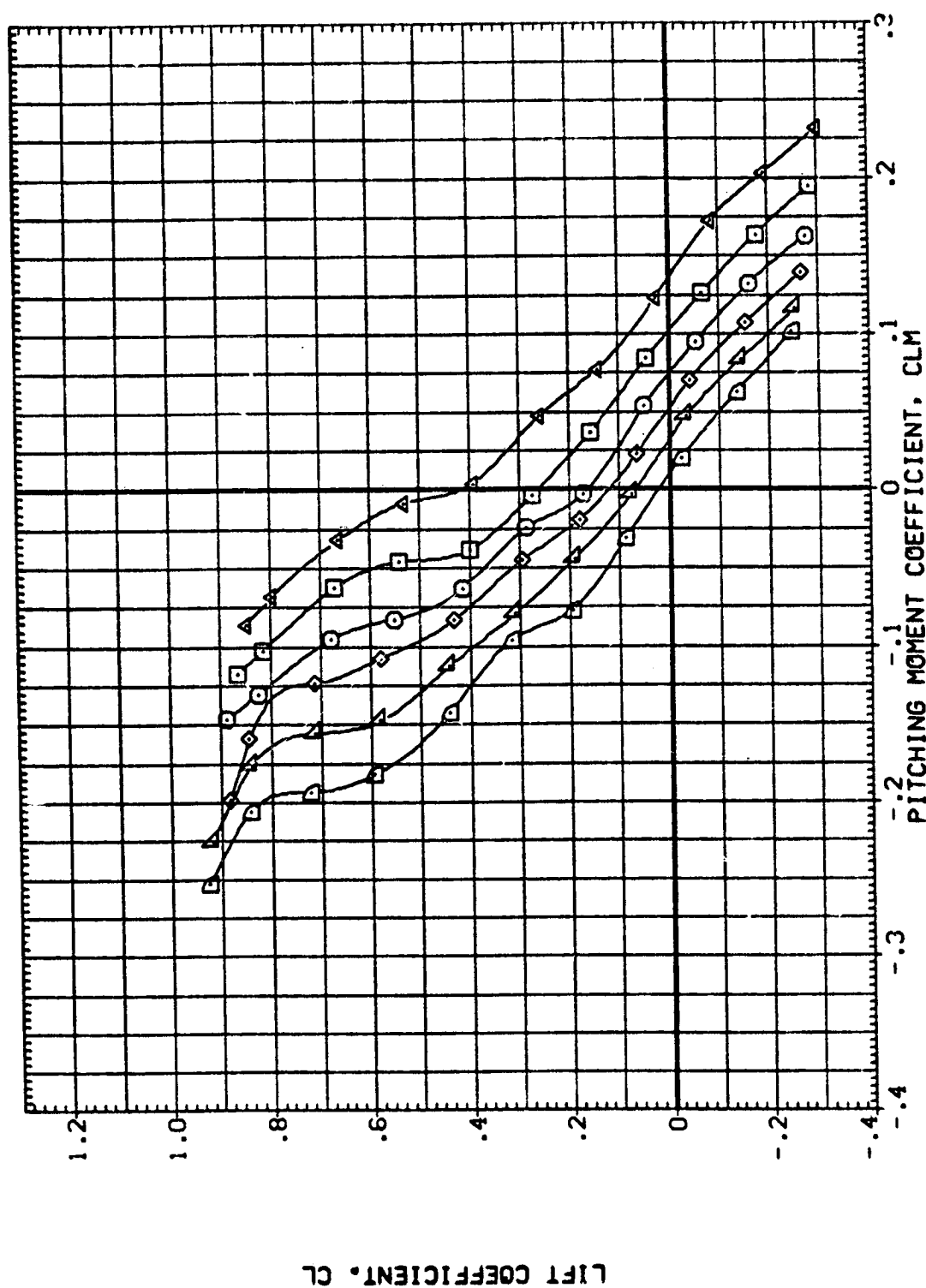


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = .98

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) VS B2  
 (BAG080) VS B2  
 (BAG074) VS B2  
 (BAG046) VS B2  
 (BAG042) VS B2  
 (ZAG086) VS B2

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

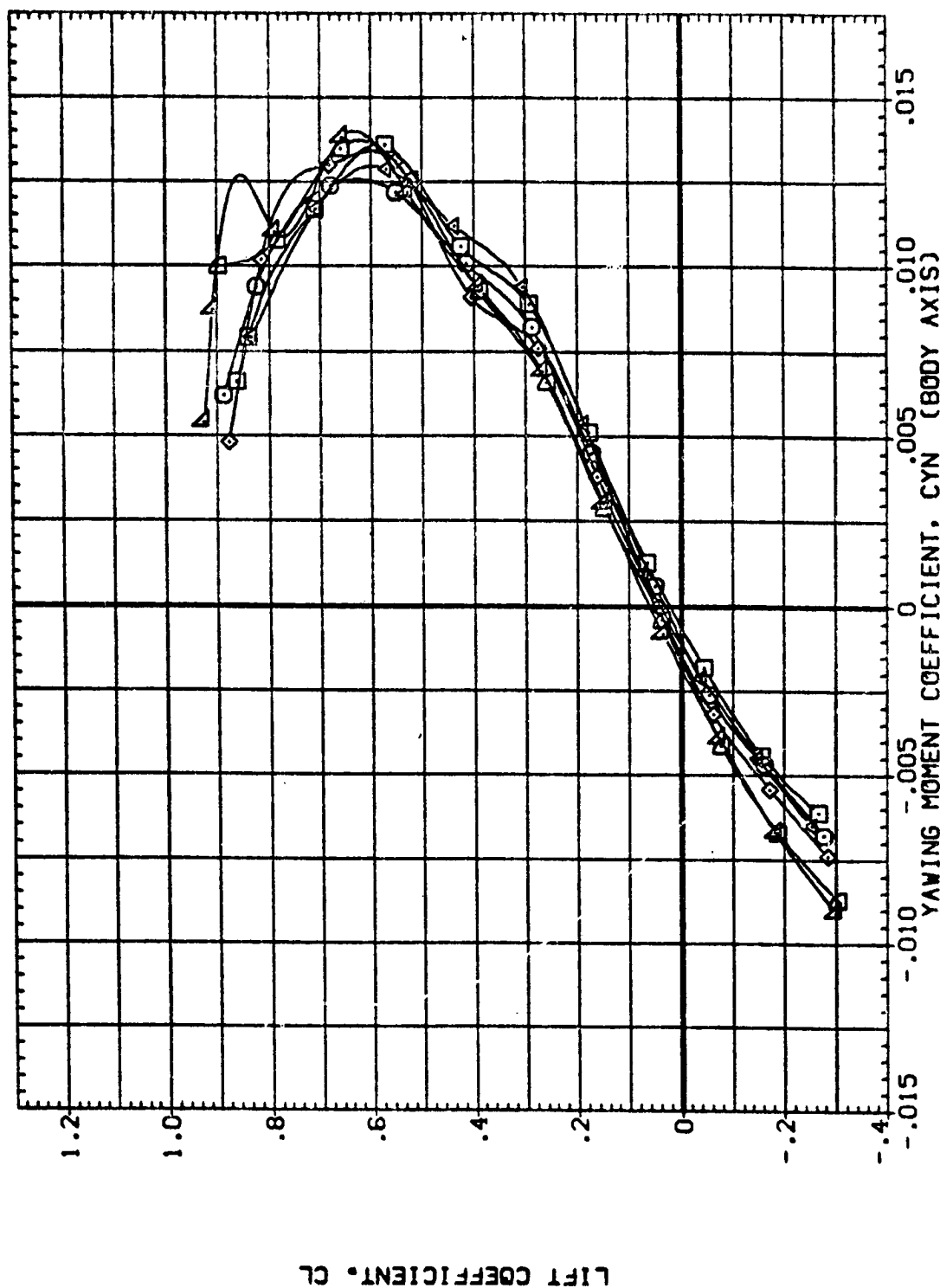


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) VS B2 T  
 (BAG083) VS B2 T  
 (BAG077) VS B2 T  
 (BAG038) VS B2 T  
 (BAG034) VS B2 T  
 (ZAG057) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

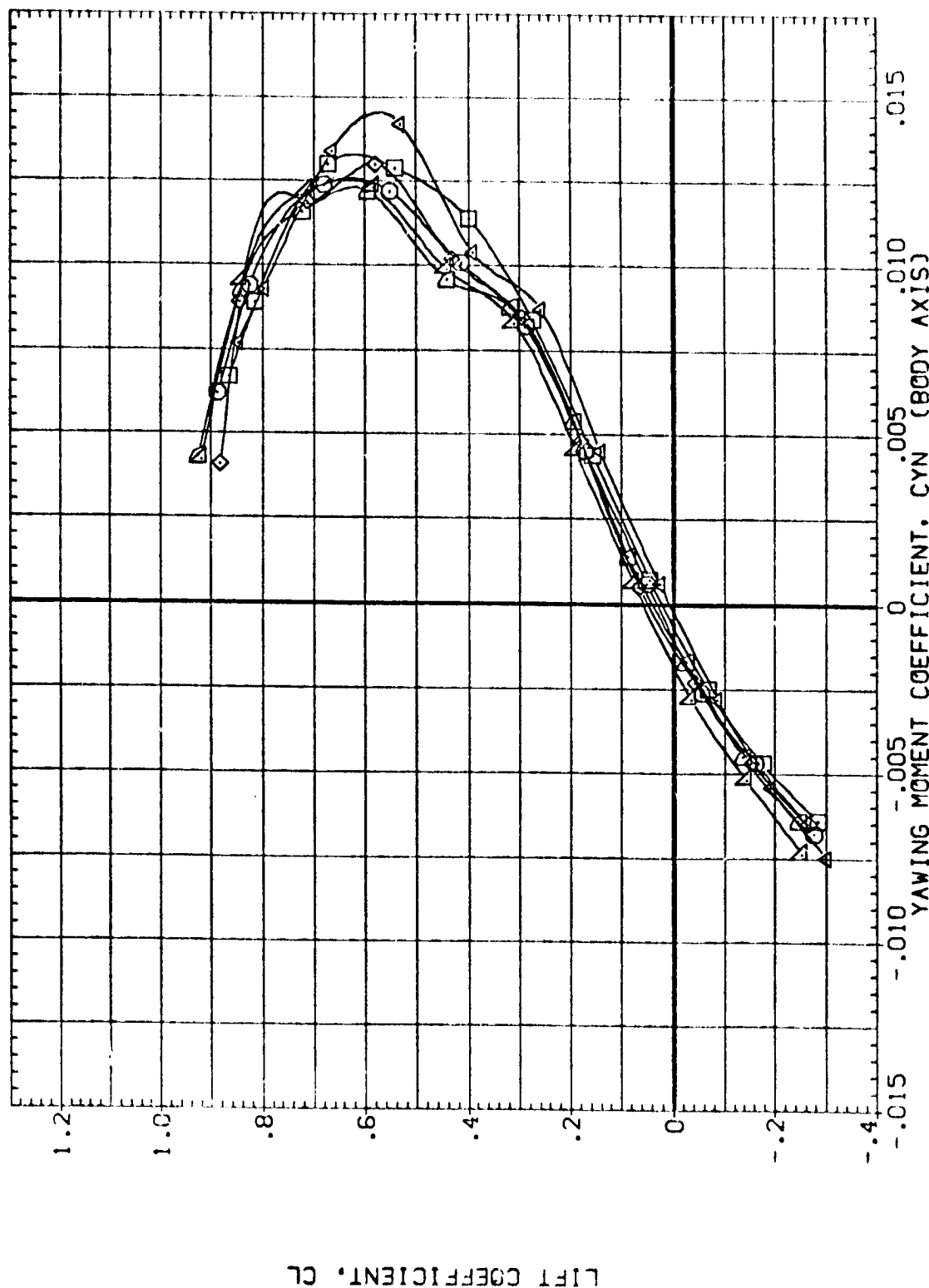


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(COMACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)	V5 B2 I
(BAG060)	V5 B2 I
(BAG074)	V5 B2 I
(BAG046)	V5 B2 I
(BAG042)	V5 B2 I
(ZAG096)	V5 B2 I

AIL-L AIL-R HORIZT

.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
-10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

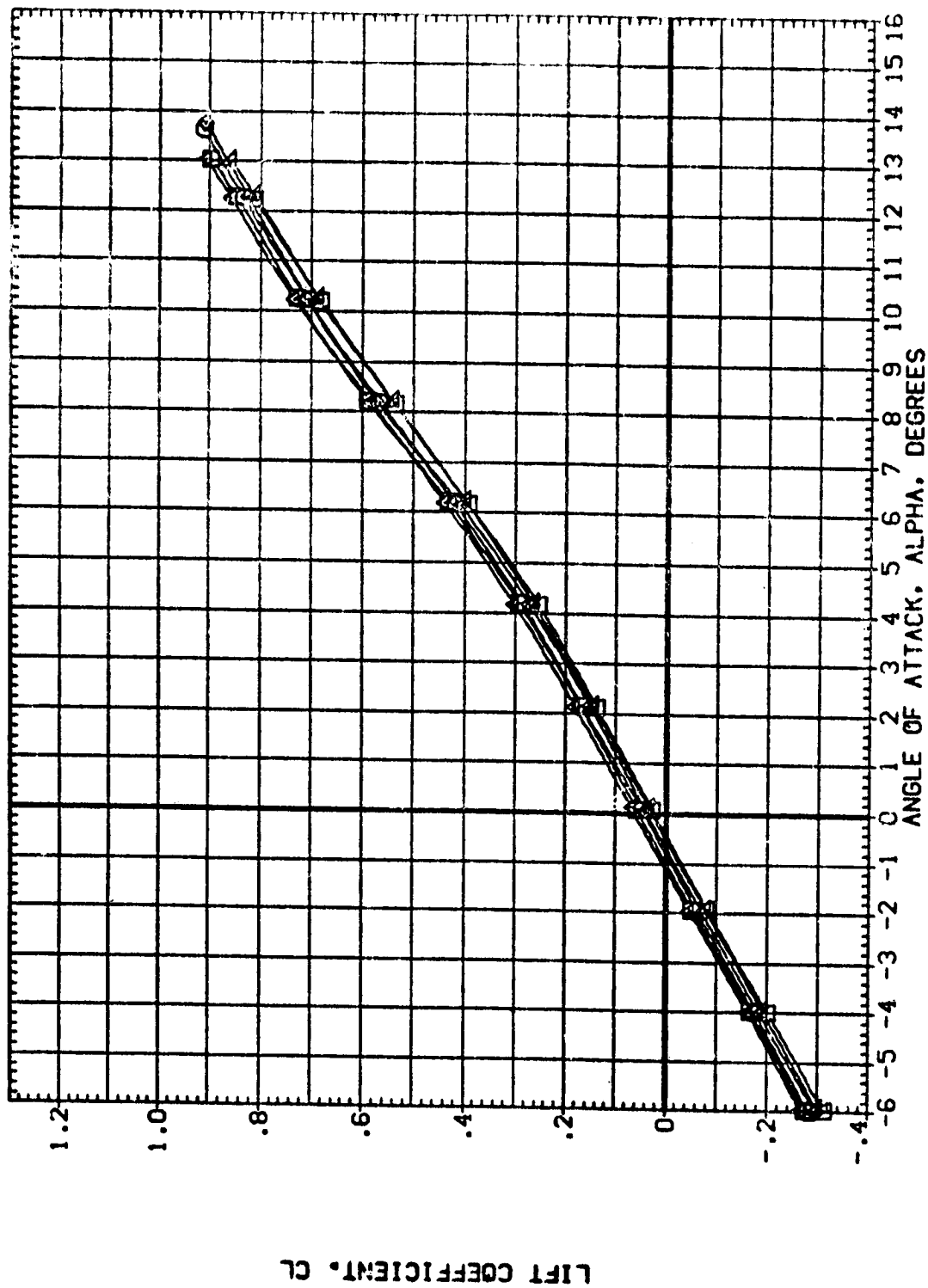


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(D)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (BAG083) V5 B2 T  
 (BAG077) V5 B2 T  
 (BAG038) V5 B2 T  
 (BAG034) V5 B2 T  
 (ZAG057) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000

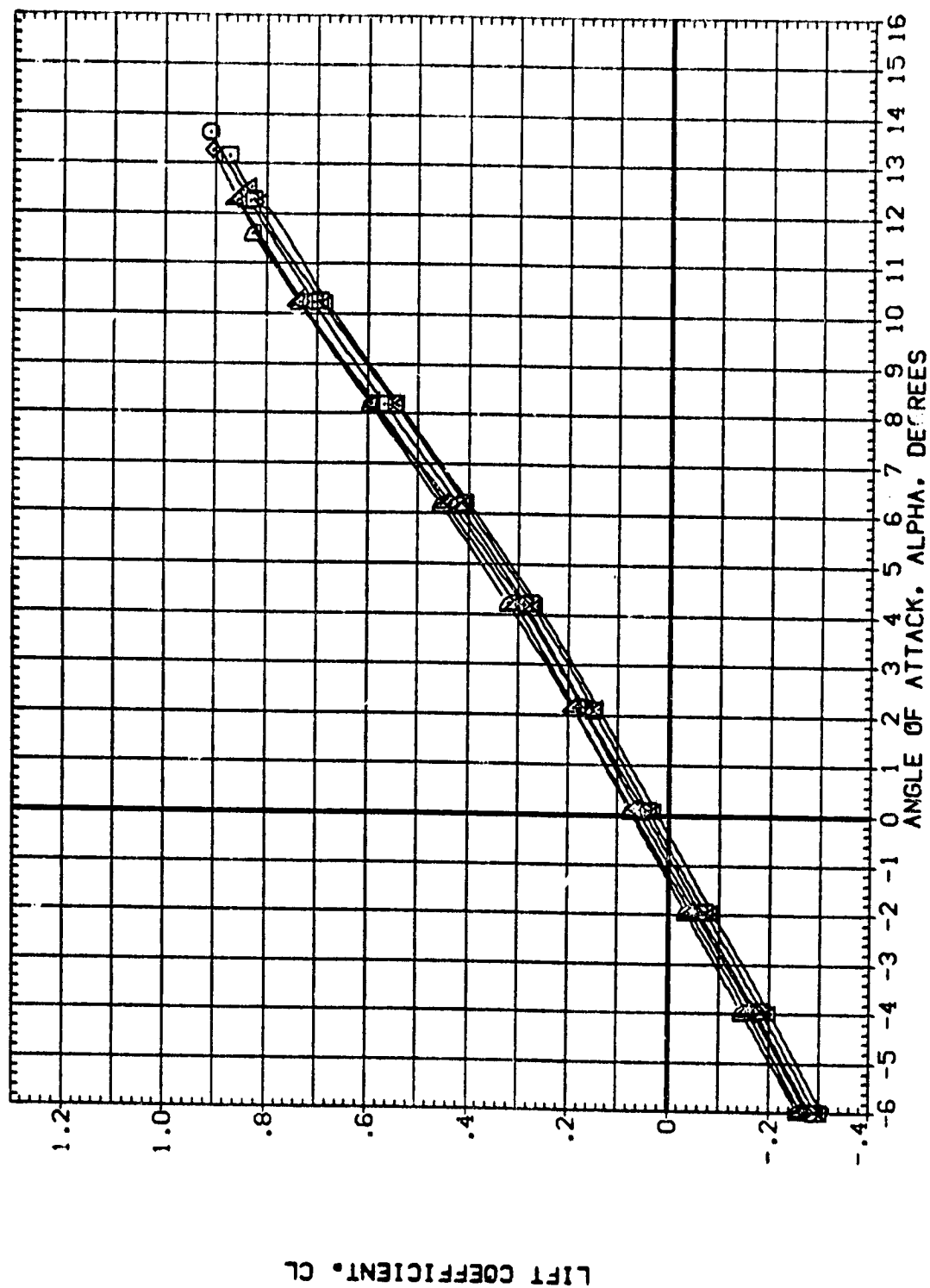


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(CD)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG0115) V5 B2 T  
 (BAG0060) V5 B2 T  
 (BAG0074) V5 B2 T  
 (BAG0045) V5 B2 T  
 (BAG0042) V5 B2 T  
 (ZAG0095) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

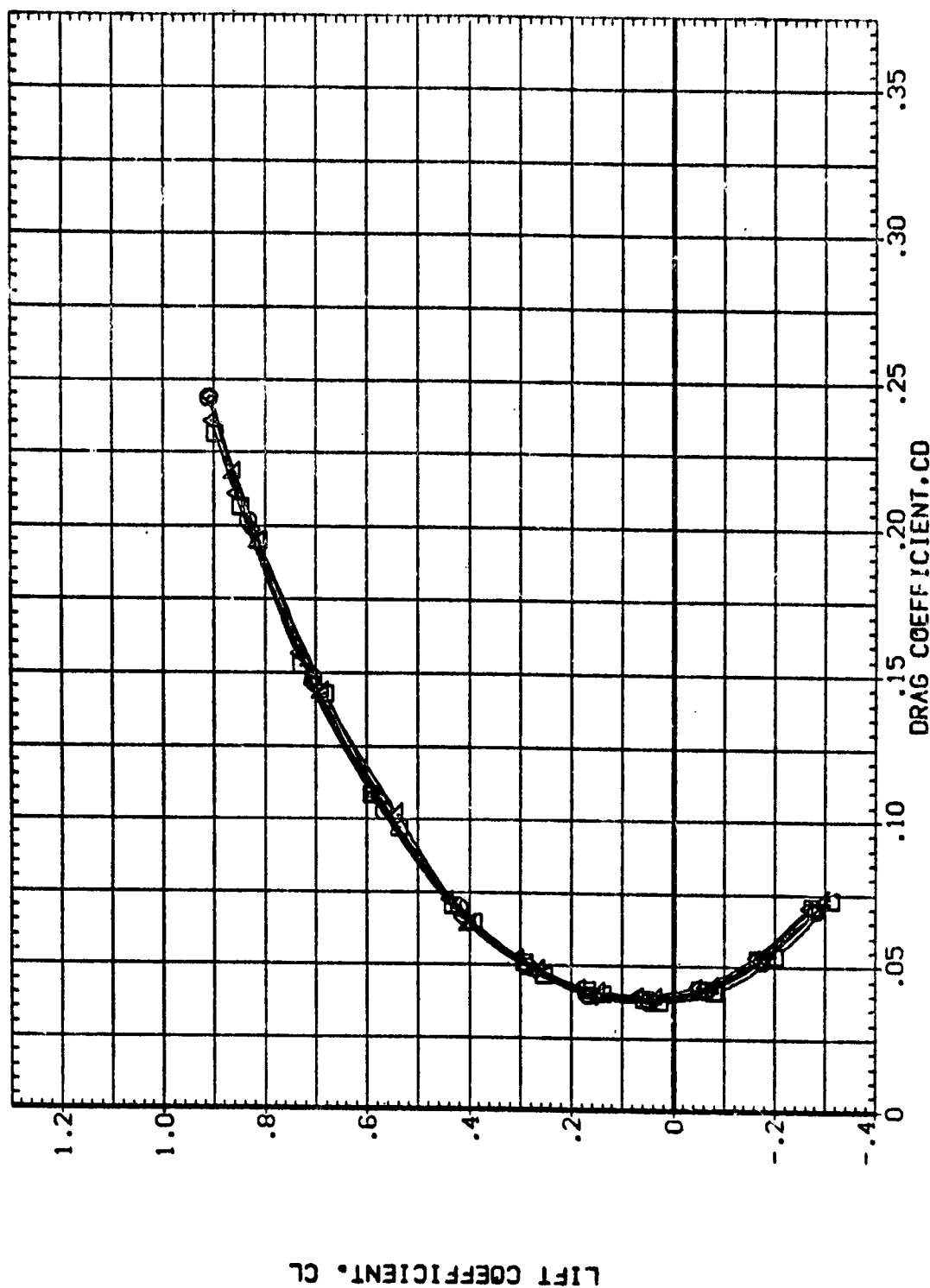


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (MACH = 1.05) PAGE 118



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(2A0115)	VS B2 T
(8A0093)	VS B2 T
(8A0077)	VS B2 T
(8A0038)	VS B2 T
(8A0034)	VS B2 T
(2A0087)	VS B2 T

AIL-L	AIL-R	HORIZT
.000	.000	.000
.000	.000	.000
.000	-5.000	.000
.000	-10.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

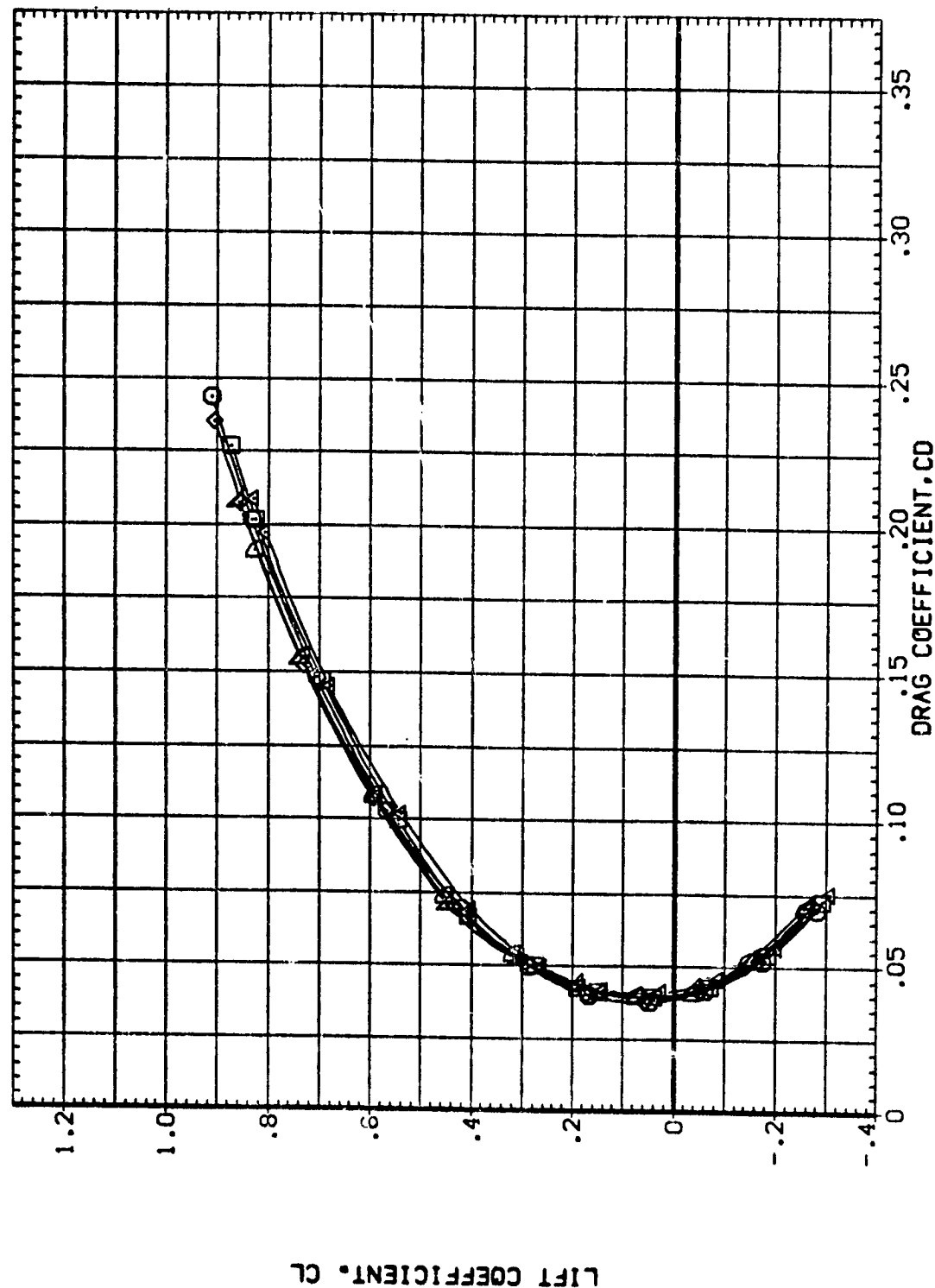


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(CD)MACH = 1.05

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)  
(BA0060)  
(BA0074)  
(BA0046)  
(BA0042)  
(ZAG055)

V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

□ ◇ △ ▽

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
-10.100 .000 .000  
-14.300 .000 .000

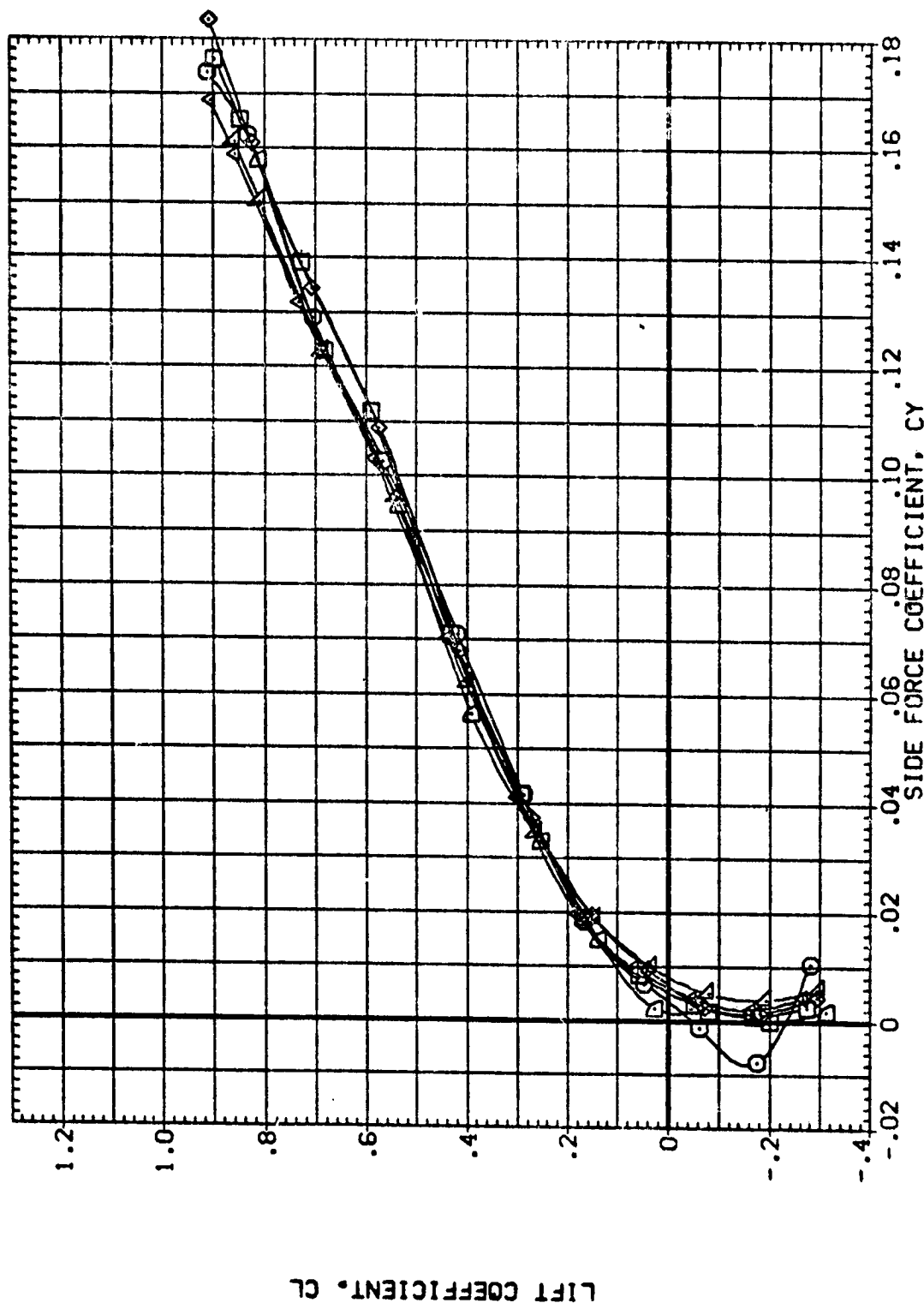


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(D)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (Z/2115) VS B2 T  
 (BAG083) VS B2 T  
 (BAG077) VS B2 T  
 (BAG038) VS B2 T  
 (BAG034) VS B2 T  
 (ZAG057) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 -5.000 .000 .000  
 5.000 .000 .000  
 -10.000 .000 .000  
 10.000 .000 .000  
 14.000 .000 .000

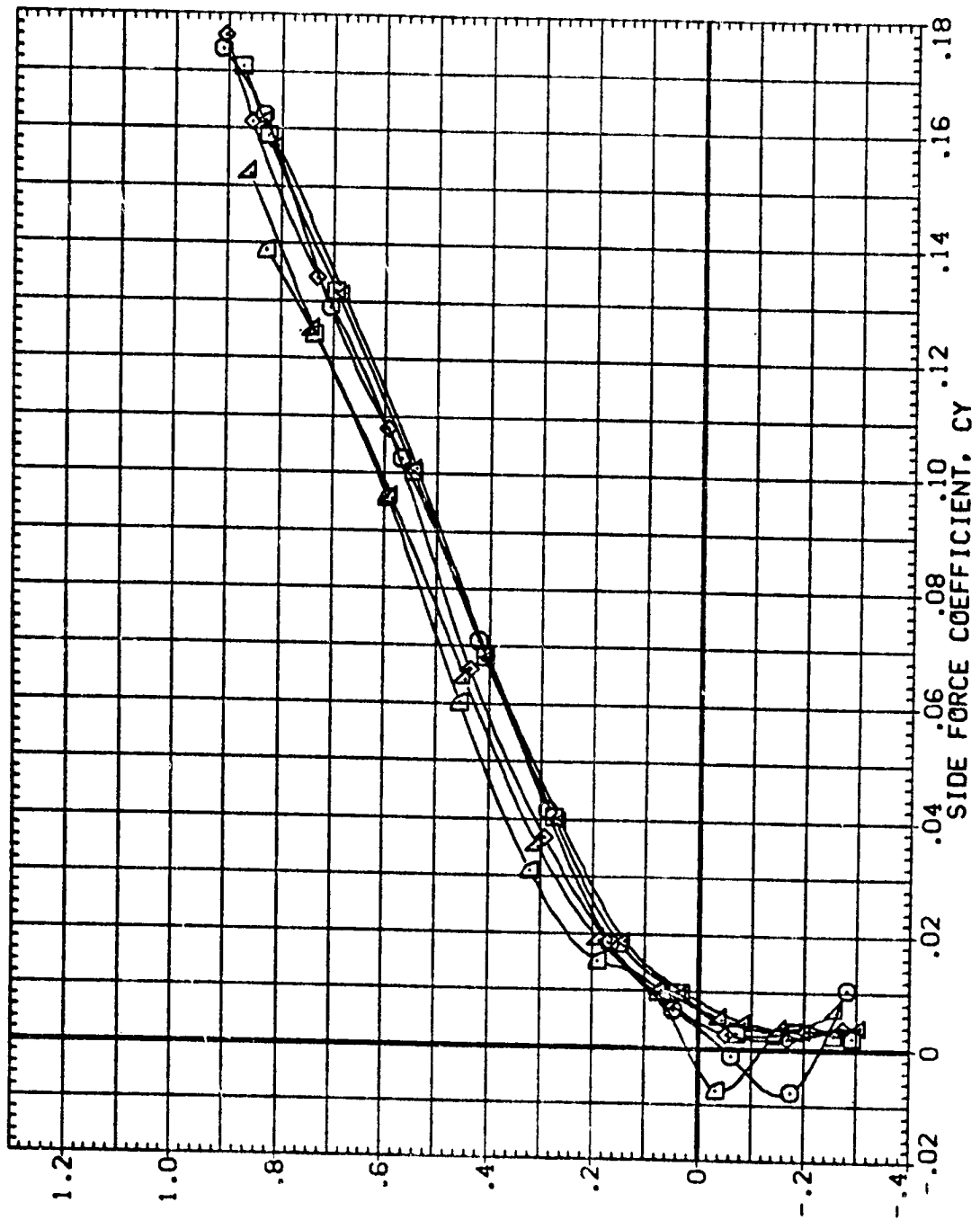


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 80.0 DEG.

(M)MACH = 1.05

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 T	.000	.000	.000
(BAG060)	V5 B2 T	5.000	.000	.000
(BAG074)	V5 B2 T	5.000	.000	.000
(BAG046)	V5 B2 T	10.100	.000	.000
(BAG042)	V5 B2 T	10.700	.000	.000
(ZAG056)	V5 B2 T	-14.300	.000	.000

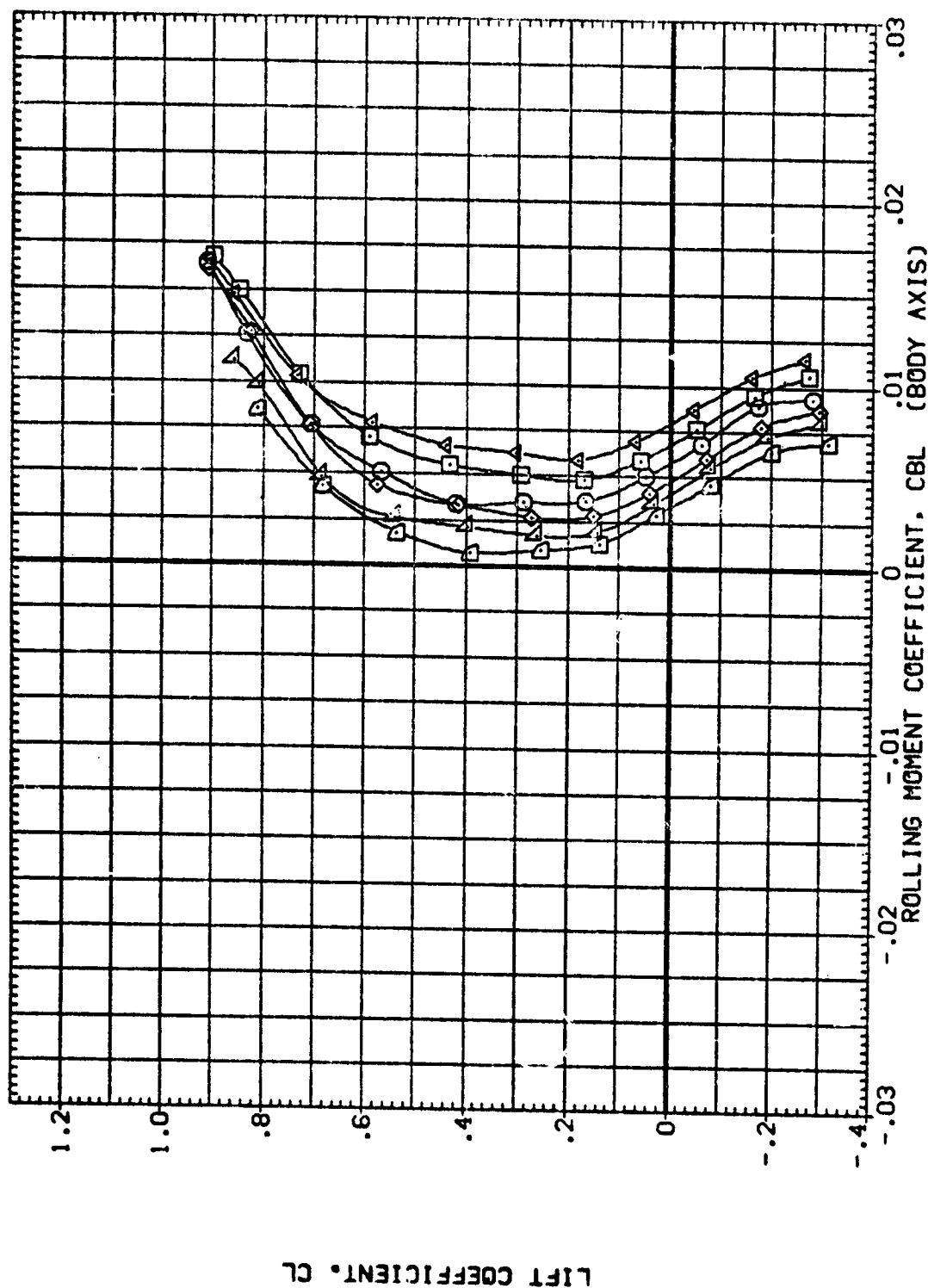


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (O)MACH = 1.05  
 PAGE 122

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 VS B2 T  
 VS B2 T  
 VS B2 T  
 VS B2 T  
 VS B2 T  
 VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000

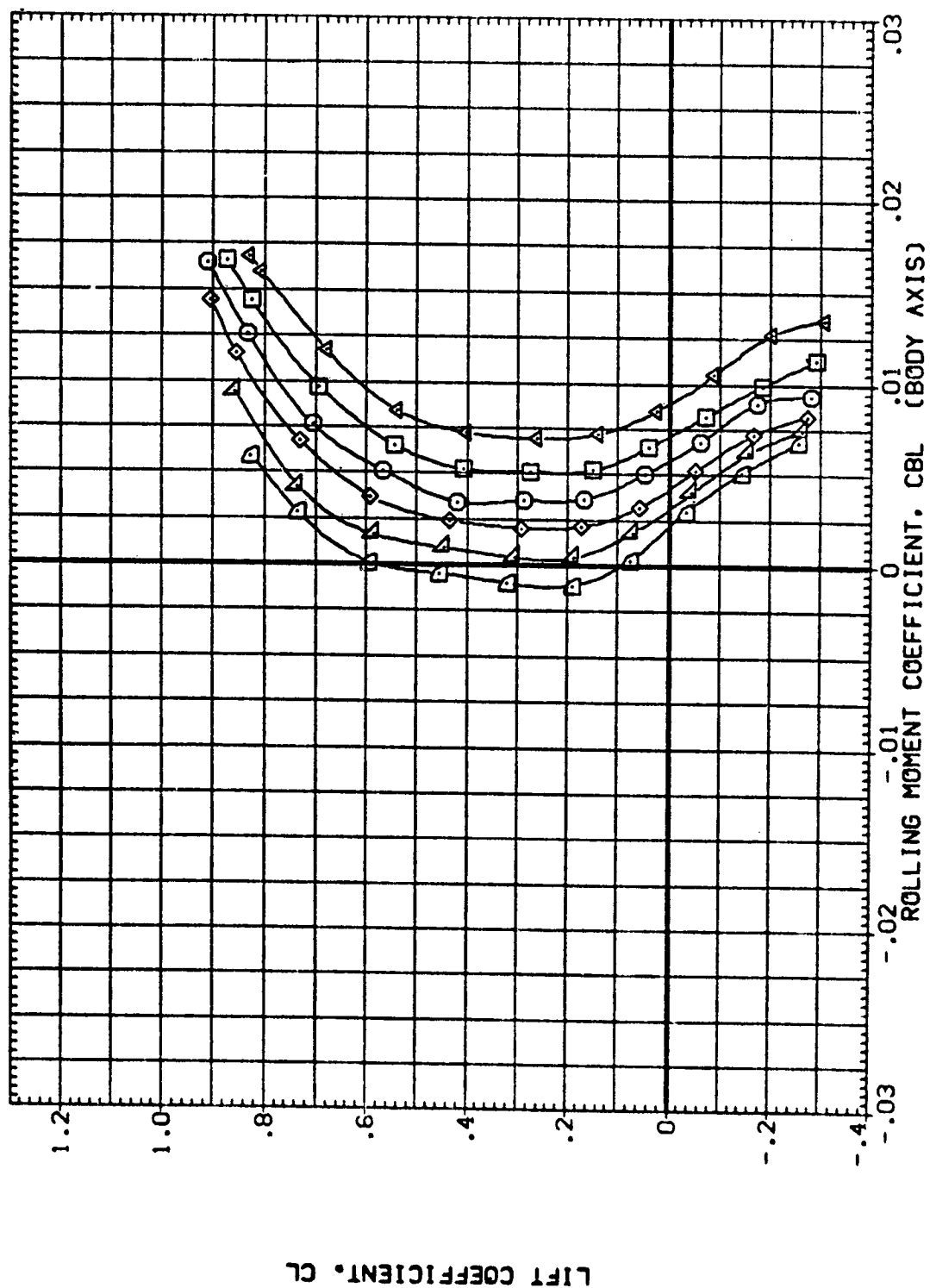


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (C)MACH = 1.05  
 PAGE 123

REPRODUCTION OF THE  
ORIGINAL DATA IS FOUR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 T	.000	.000	.000
(BAG080)	V5 B2 T	.000	.000	.000
(BAG074)	V5 B2 T	.000	.000	.000
(BAG046)	V5 B2 T	.000	.000	.000
(BAG042)	V5 B2 T	.000	.000	.000
(ZAG056)	V5 B2 T	.000	.000	.000

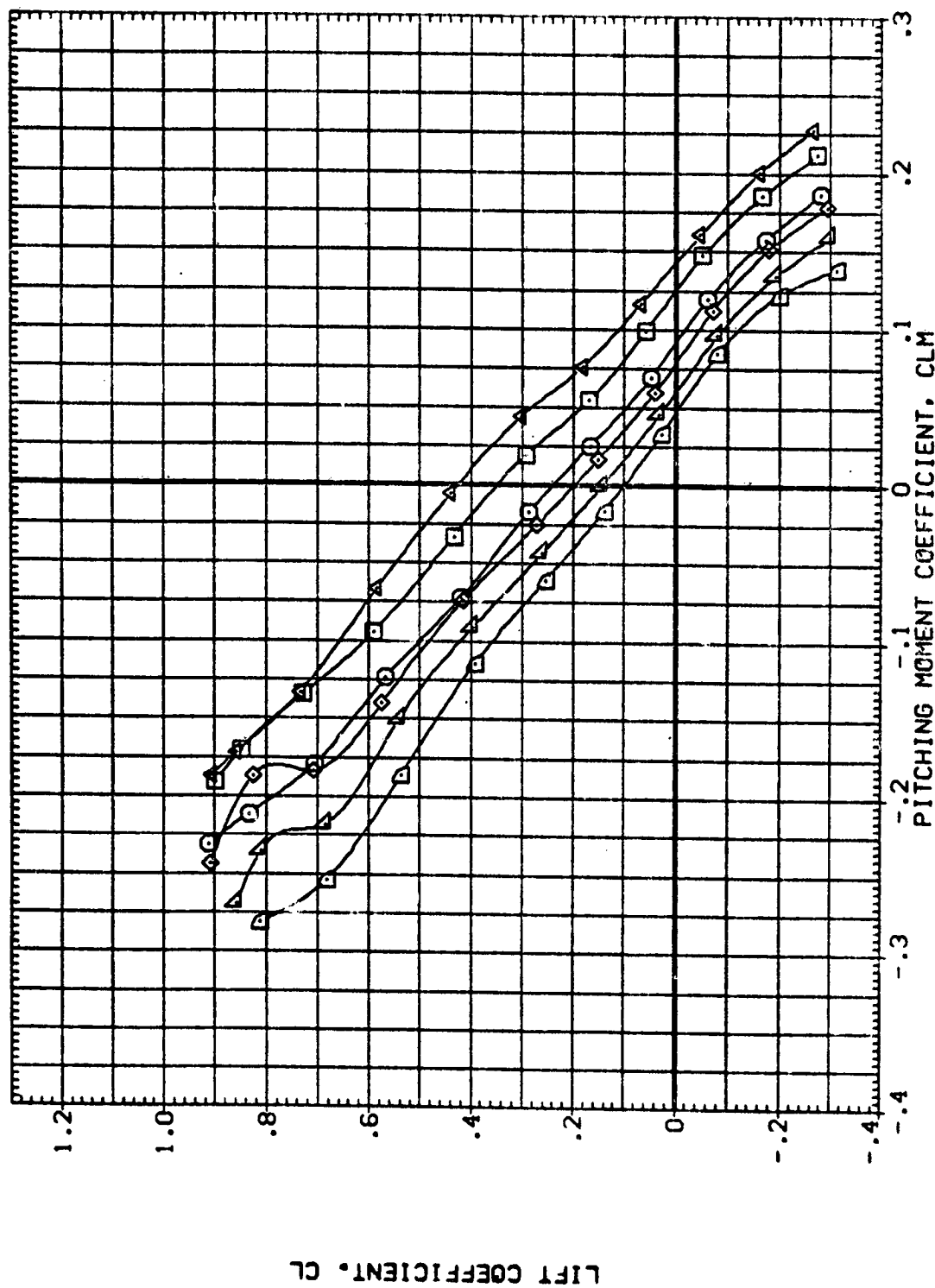


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(M)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T  
 (BAG083) V5 B2 T  
 (BAG077) V5 B2 T  
 (BAG038) V5 B2 T  
 (BAG034) V5 B2 T  
 (ZAG097) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

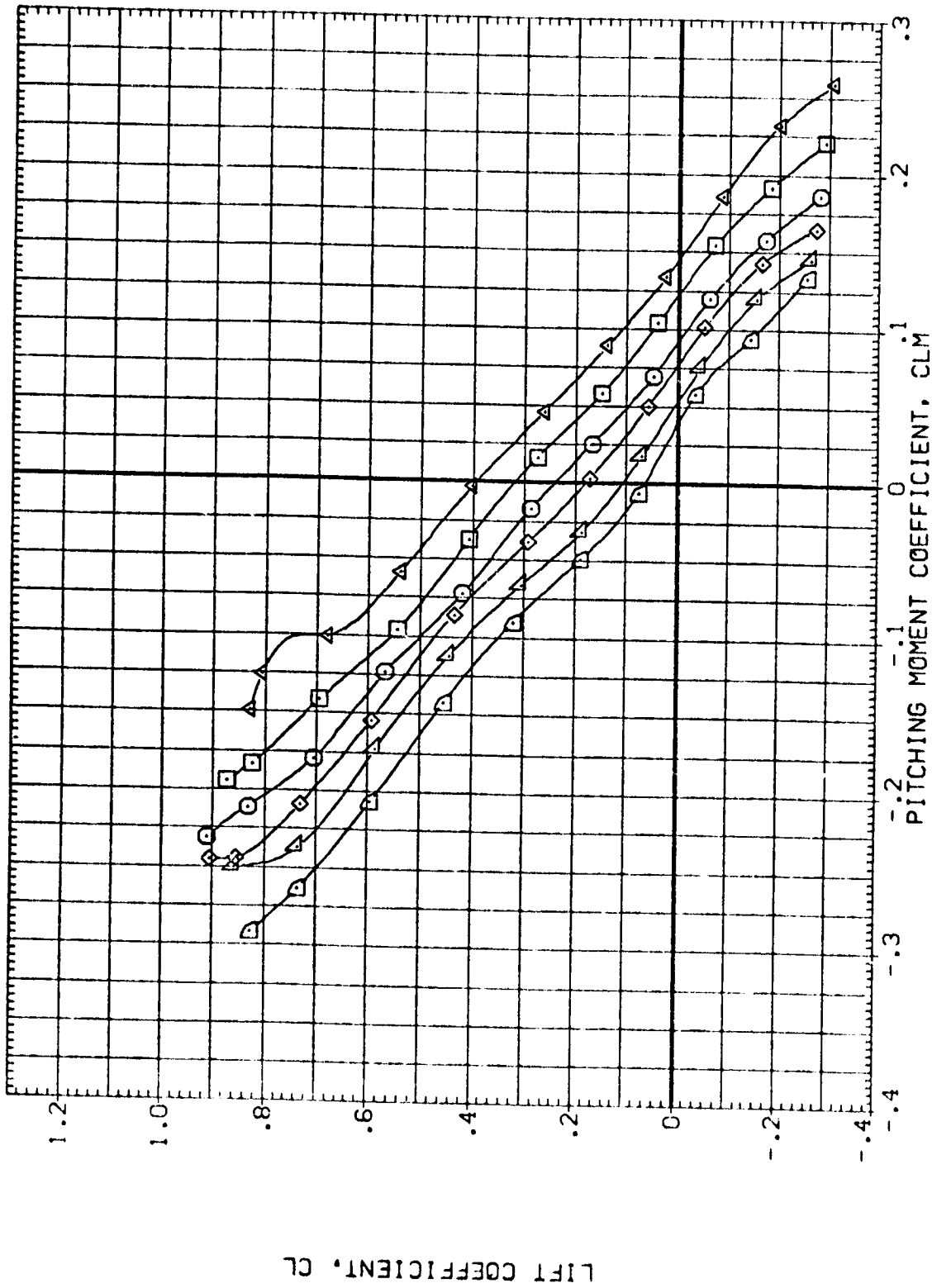


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(M)MACH = 1.05

DATA SET SYMBOL      CONFIGURATION DESCRIPTION

(ZAG115)	V5 B2 T
(BAG080)	V5 B2 T
(BAG074)	V5 B2 T
(BAG046)	V5 B2 T
(BAG042)	V5 B2 T
(ZAG095)	V5 B2 T

AIL-L	AIL-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

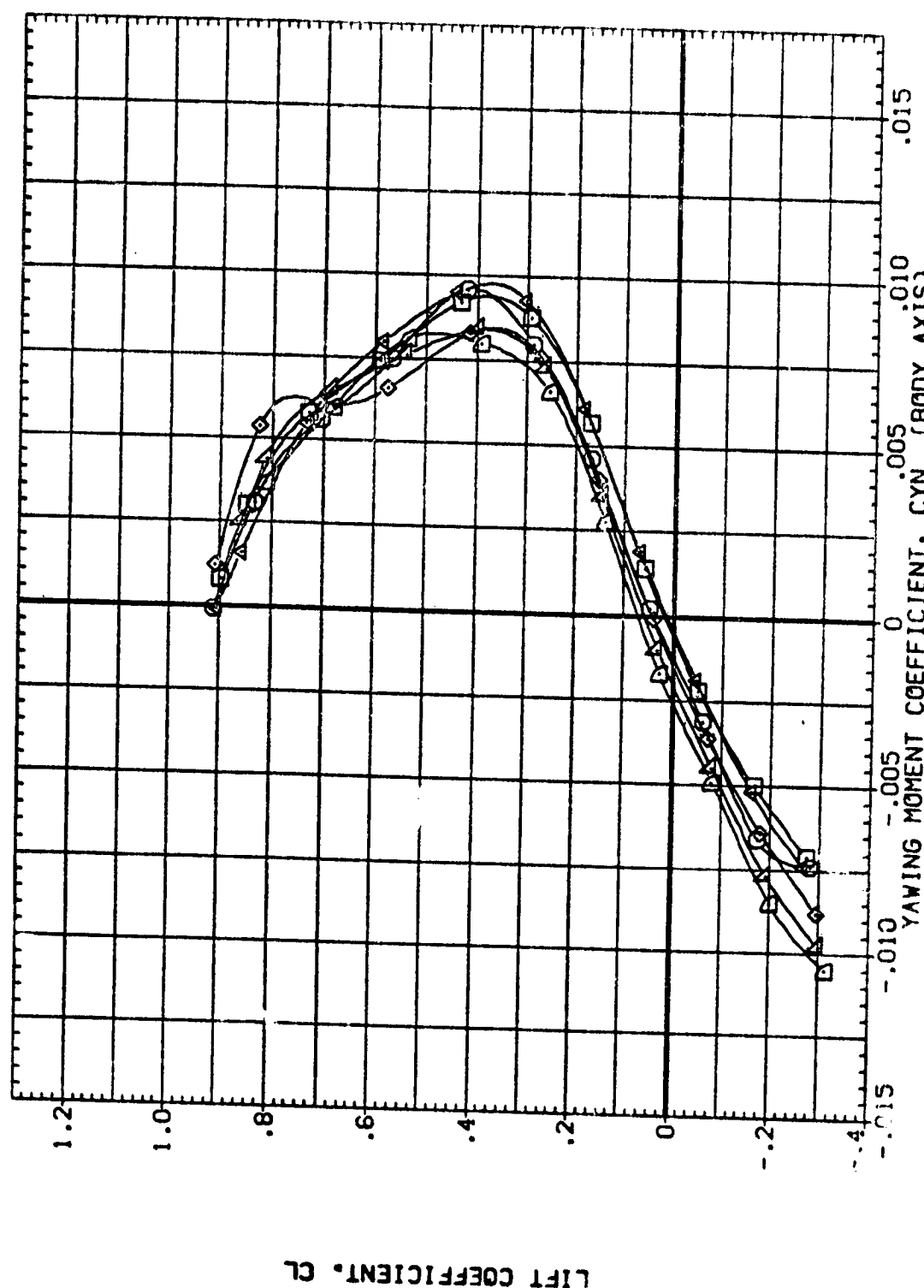


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 80.0 DEG.  
 (C)MACH = 1.05



DATA SET SYMBOL CONFIGURATION DESCRIPTION

17A01151	5 B2 T
18A0093	5 B2 T
18A0077	5 B2 T
18A0036	5 B2 T
18A0034	5 B2 T
17A0097	5 B2 T

AIL-L AIL-R HORIZT

.000	.000	.000
.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

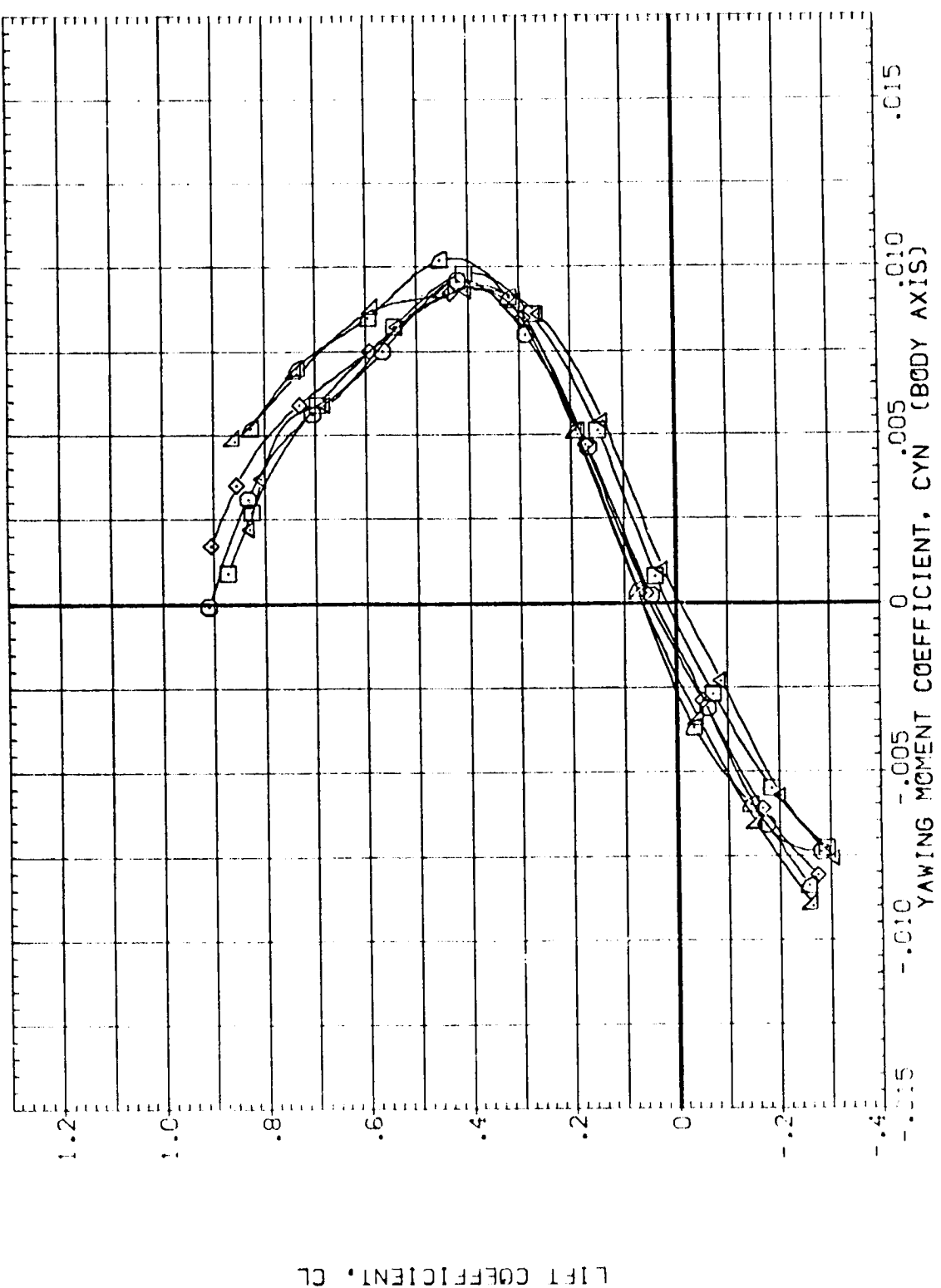


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT.. SWEEP = 90.0 DEG.  
 MACH = 1.05  
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# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T  
 (BA0080) V5 B2 T  
 (BA0074) V5 B2 T  
 (BA0046) V5 B2 T  
 (BA0042) V5 B2 T  
 (ZAG095) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

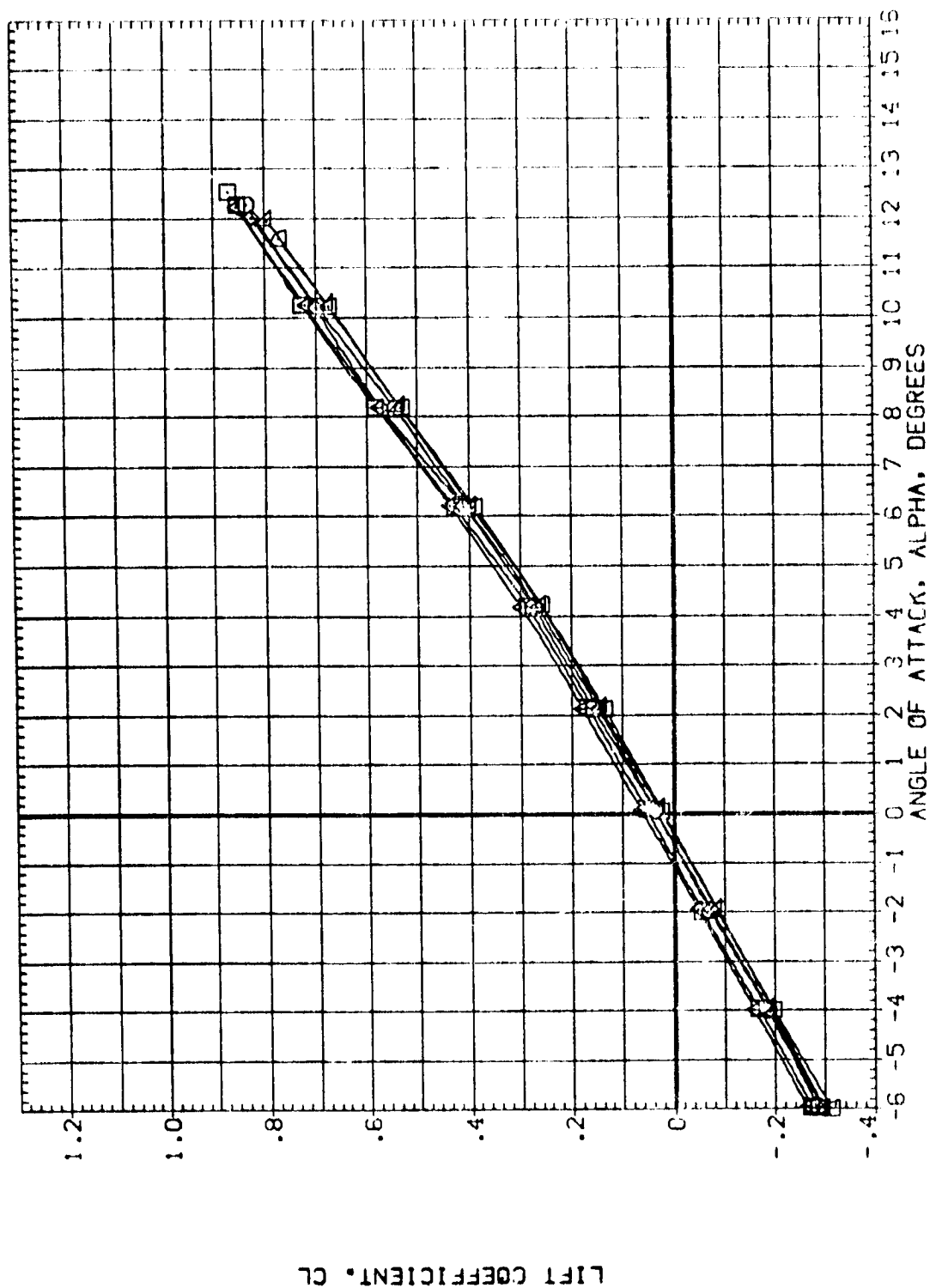


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (C)MACH = 1.10

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)  
 (BAG083)  
 (BAG077)  
 (BAG038)  
 (BAG034)  
 (ZAG097)

VS B2 T  
 VS B2 T  
 VS B2 T  
 VS B2 T  
 VS B2 T  
 VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000

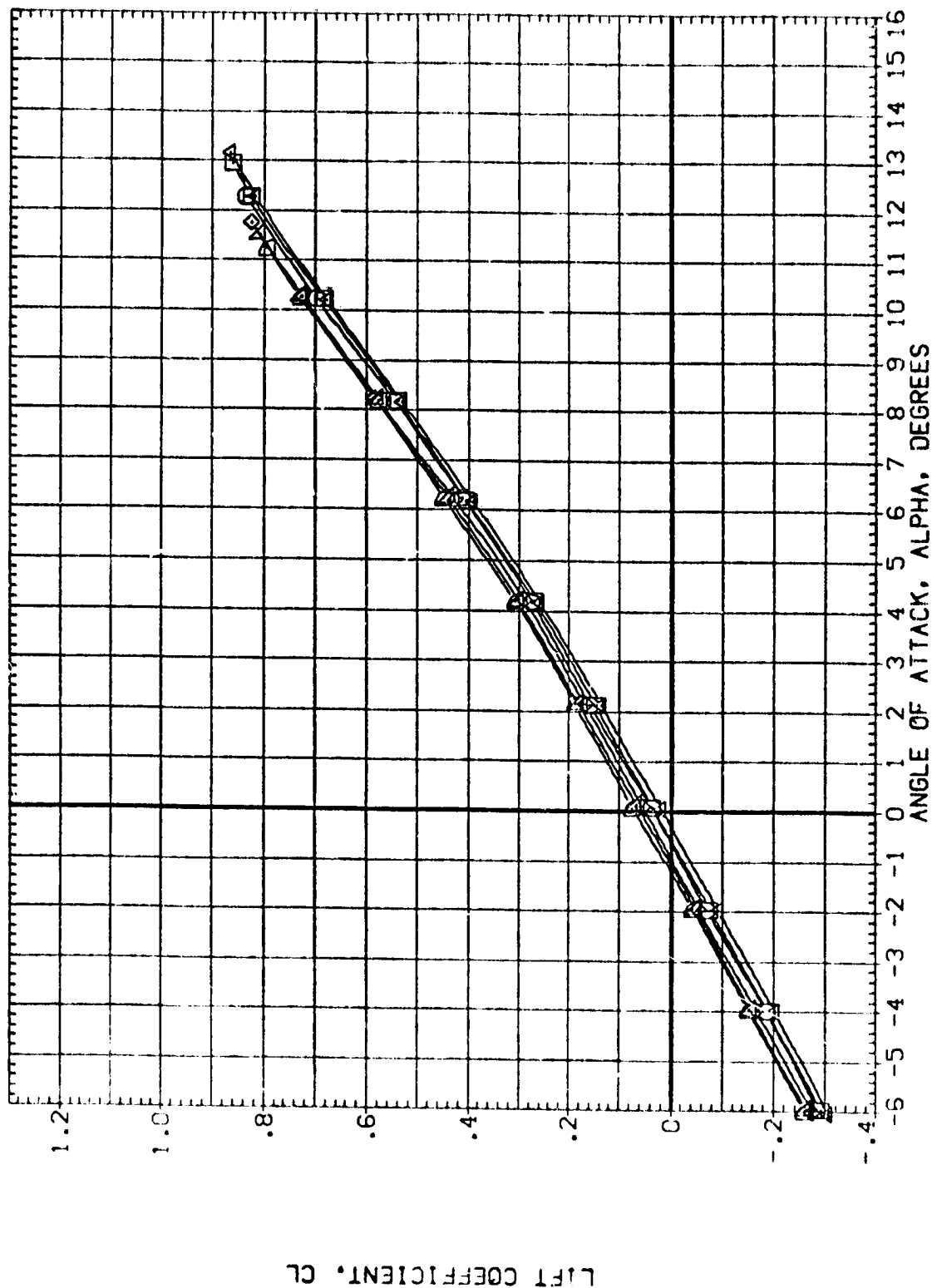


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(E)MACH = 1.10

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZA0115)	V5 B2 T	AIL-L	AIL-R	HORIZT
(BA0080)	V5 B2 T	.000	.000	.000
(BA0074)	V5 B2 T	5.000	.000	.000
(BA0046)	V5 B2 T	-5.000	.000	.000
(BA0042)	V5 B2 T	10.100	.000	.000
(ZA0055)	V5 B2 T	-10.700	.000	.000
		-14.300	.000	.000

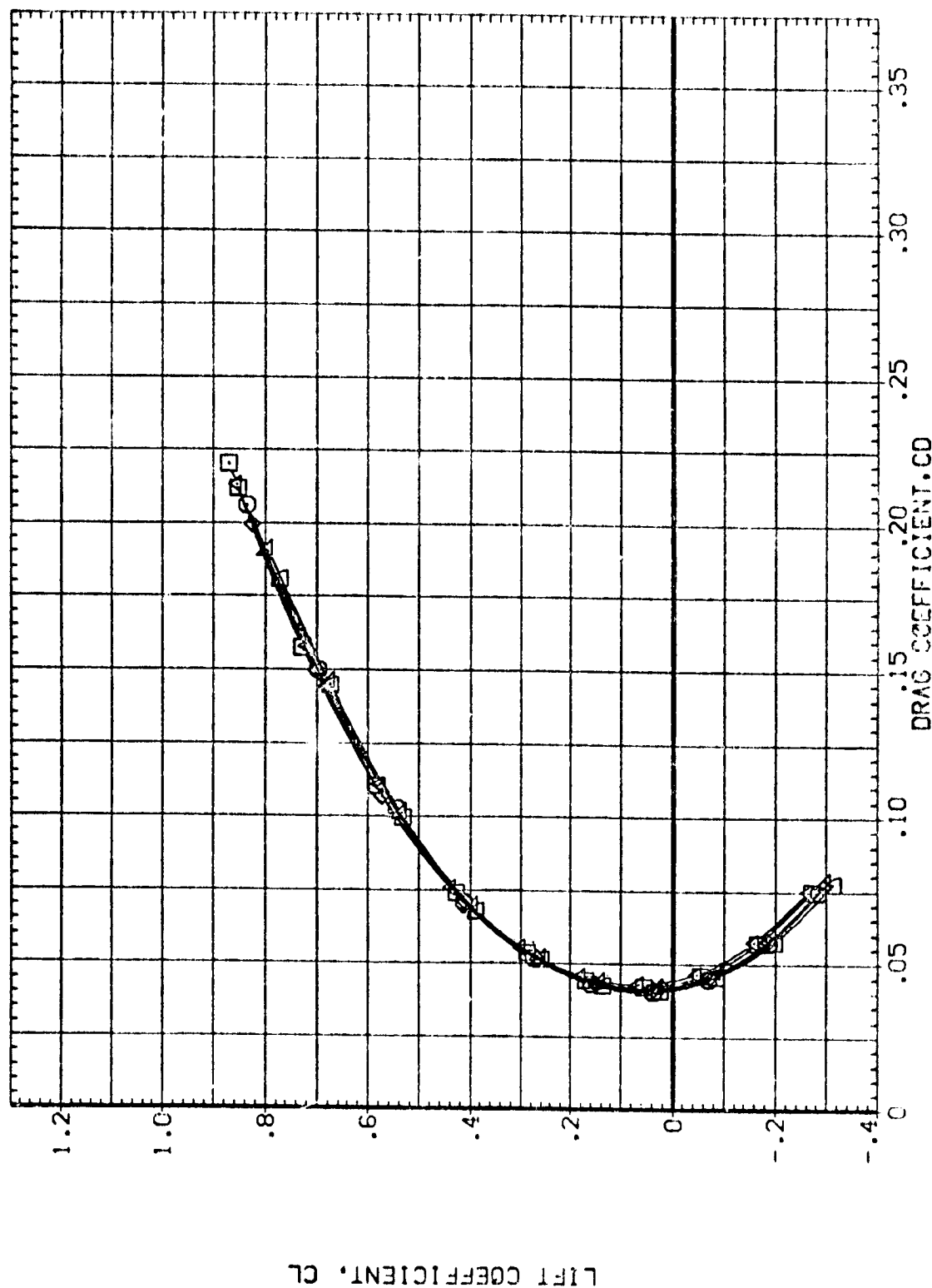


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(CD)MACH = 1.10

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG0115)	V5 B2 T
(BAG0183)	V5 B2 T
(BAG0077)	V5 B2 T
(BAG0038)	V5 B2 T
(BAG0034)	V5 B2 T
(ZAG0097)	V5 B2 T

AIL-L AIL-R HORIZT

.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

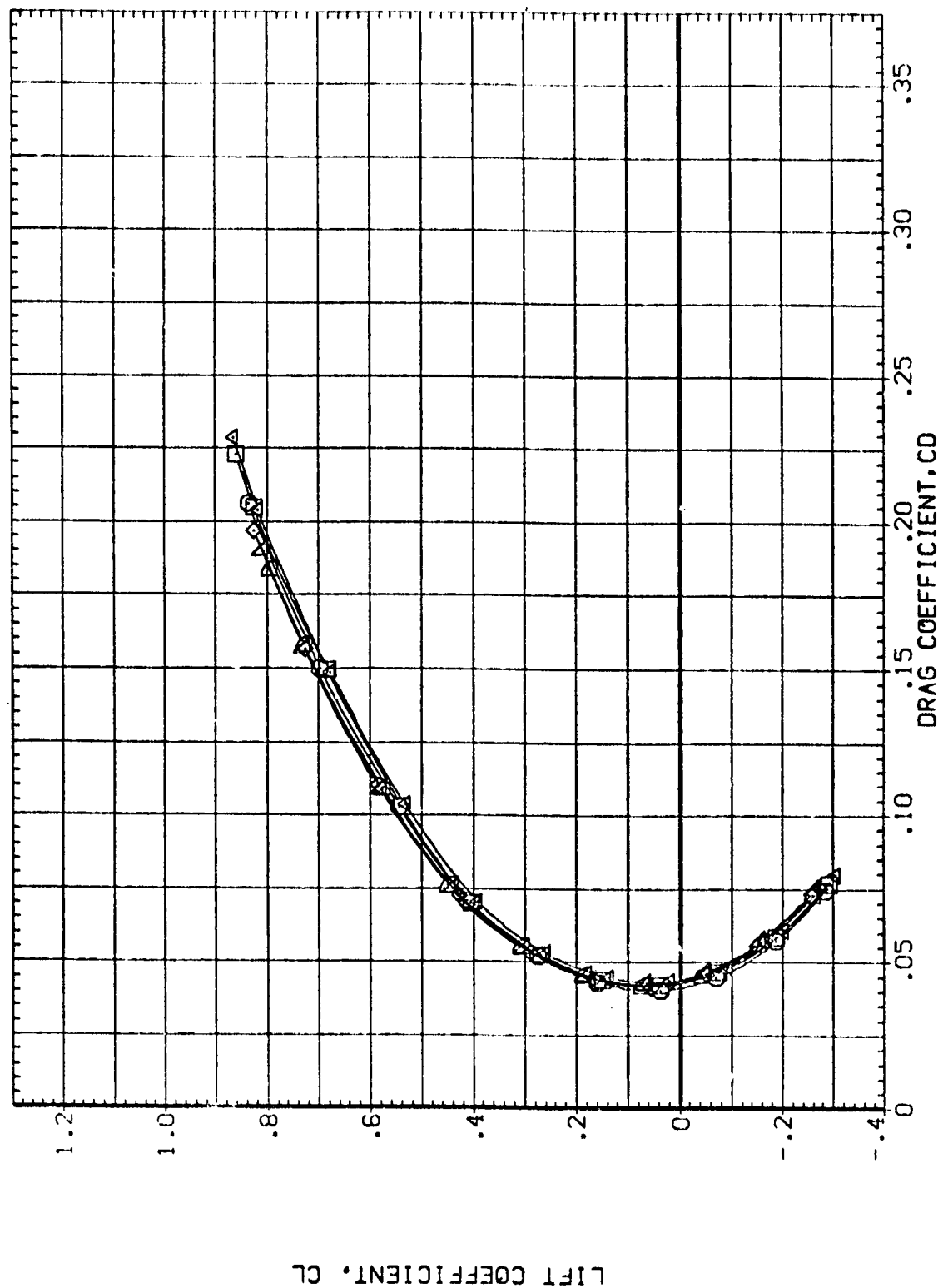


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(MACH = 1.10)

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (BAG080) VS B2 T  
 (BAG074) VS B2 T  
 (BAG046) VS B2 T  
 (BAG042) VS B2 T  
 (ZAG095) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

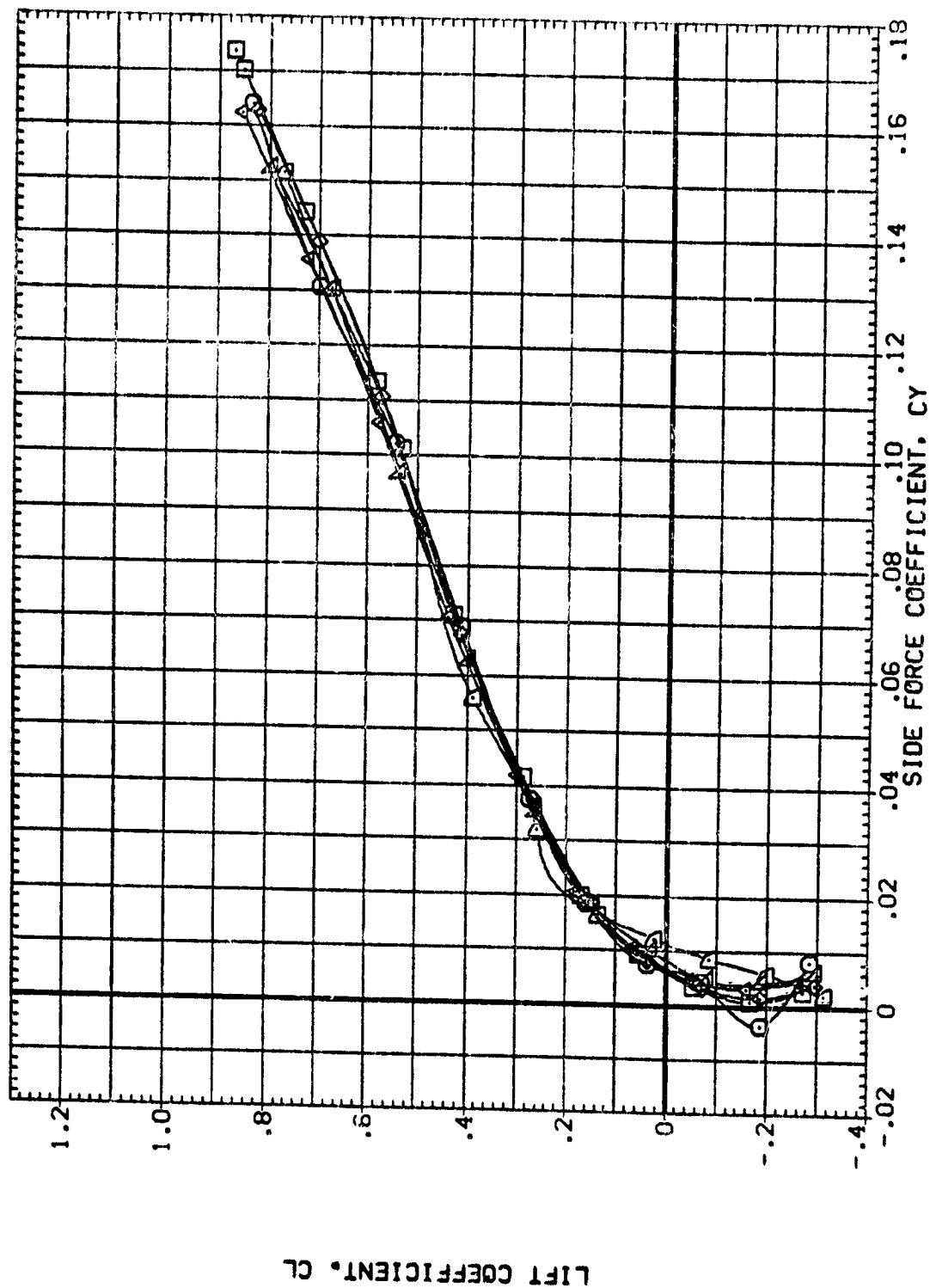


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (CDMACH = 1.10)

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAD115)  
(BAC083)  
(BAC077)  
(BAC034)  
(ZAC057)

5 B2 T  
5 B2 T  
5 B2 T  
5 B2 T  
5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
-5.000 .000 .000  
.000 5.000 .000  
-10.000 .000 .000  
.000 -0.600 .000  
.000 14.000 .000

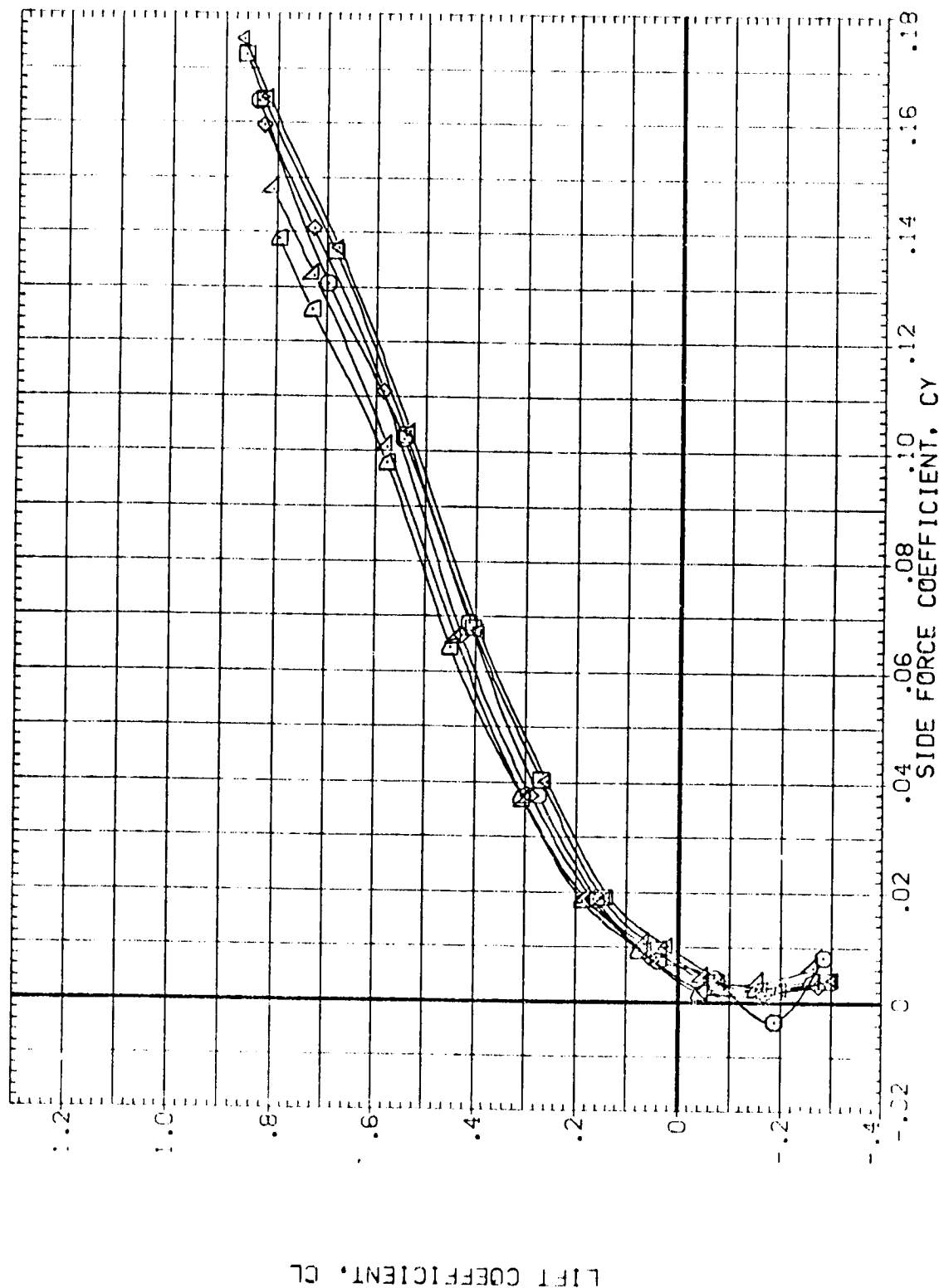


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION
[ZAG115]		V5 B2 T	
[BAG060]		V5 B2 T	
[BAG074]		V5 B2 T	
[BAG046]		V5 B2 T	
[BAG042]		V5 B2 T	
[ZAG095]		V5 B2 T	

	AIL-L	AIL-R	HORIZT
	.000	.000	.000
	5.000	.000	.000
	-5.000	.000	.000
	10.100	.000	.000
	-10.700	.000	.000
	-14.300	.000	.000

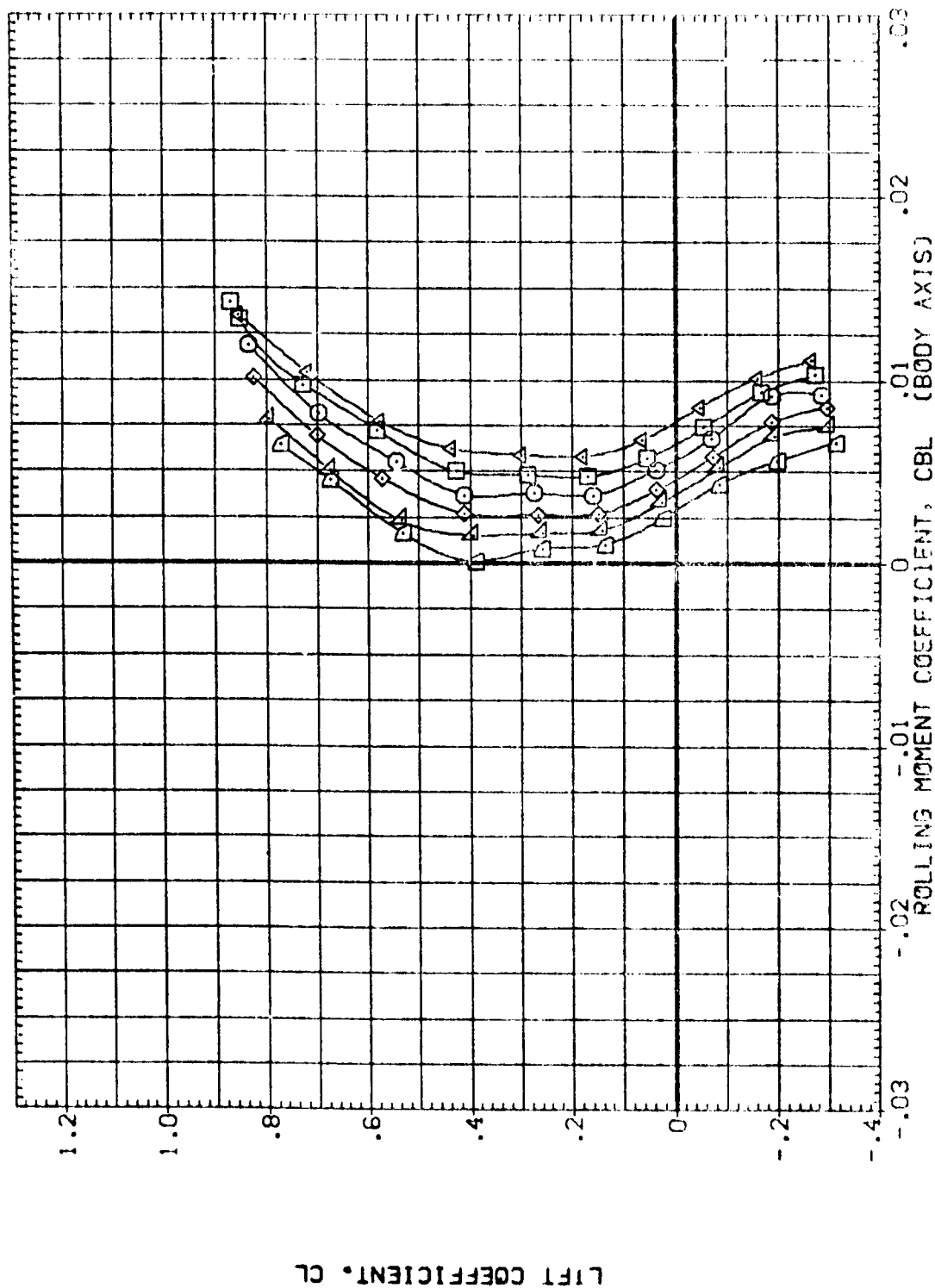


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

CEJMACH = 1.10



DATA SET SYMBOL      CONFIGURATION DESCRIPTION

(2A0115)	V5 B2 T
(BAC083)	V5 B2 T
(BAC077)	V5 B2 T
(BAC038)	V5 B2 T
(BAC034)	V5 B2 T
(2A0087)	V5 B2 T

AIR-L	AIR-R	HORIZT
.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

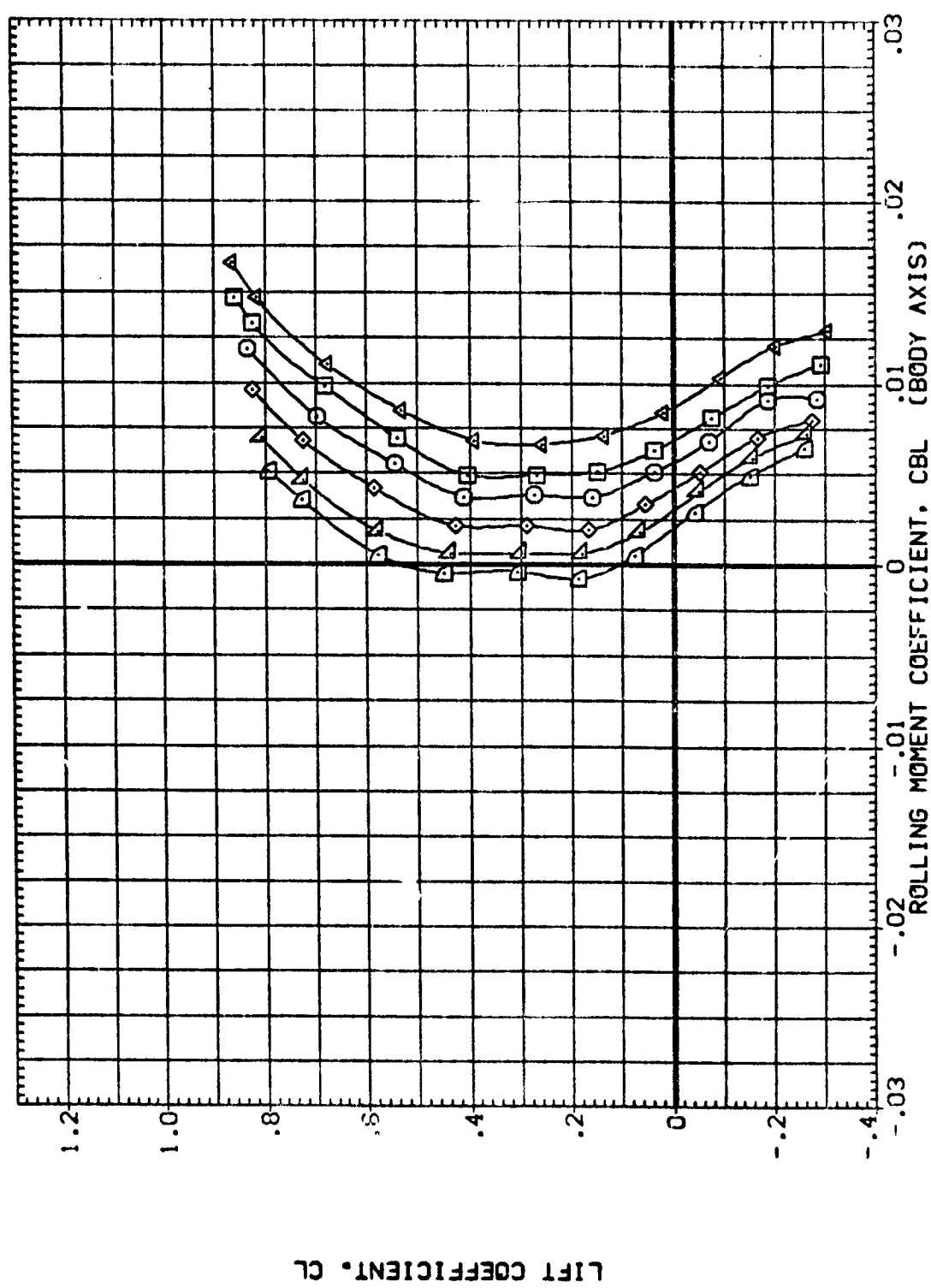


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (C)MACH = 1.10

AIL-L	AIL-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZAG115)	V5 B2 T
(BAG080)	V5 B2 T
(BAG074)	V5 B2 T
(BAG046)	V5 B2 T
(BAG042)	V5 B2 T
(ZAG095)	V5 B2 T

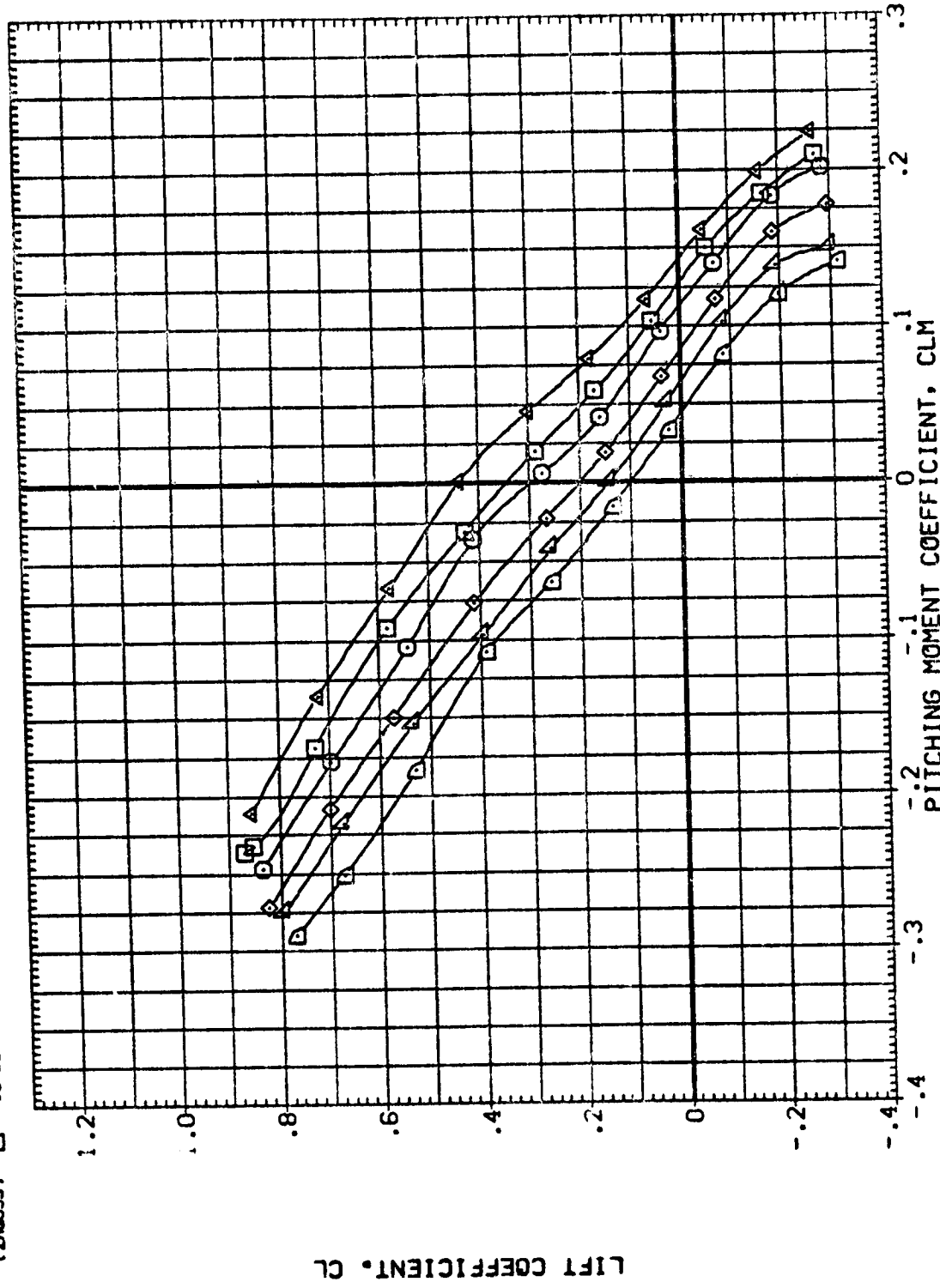


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(M)MACH = 1.10

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 T	.000	.000	.000
(BAG083)	V5 B2 T	.000	-5.000	.000
(BAG077)	V5 B2 T	.000	5.000	.000
(BAG038)	V5 B2 T	.000	-10.000	.000
(HAG034)	V5 B2 T	.000	10.000	.000
(ZAG097)	V5 B2 T	.000	14.000	.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T

(BAG083) V5 B2 T

(BAG077) V5 B2 T

(BAG038) V5 B2 T

(HAG034) V5 B2 T

(ZAG097) V5 B2 T

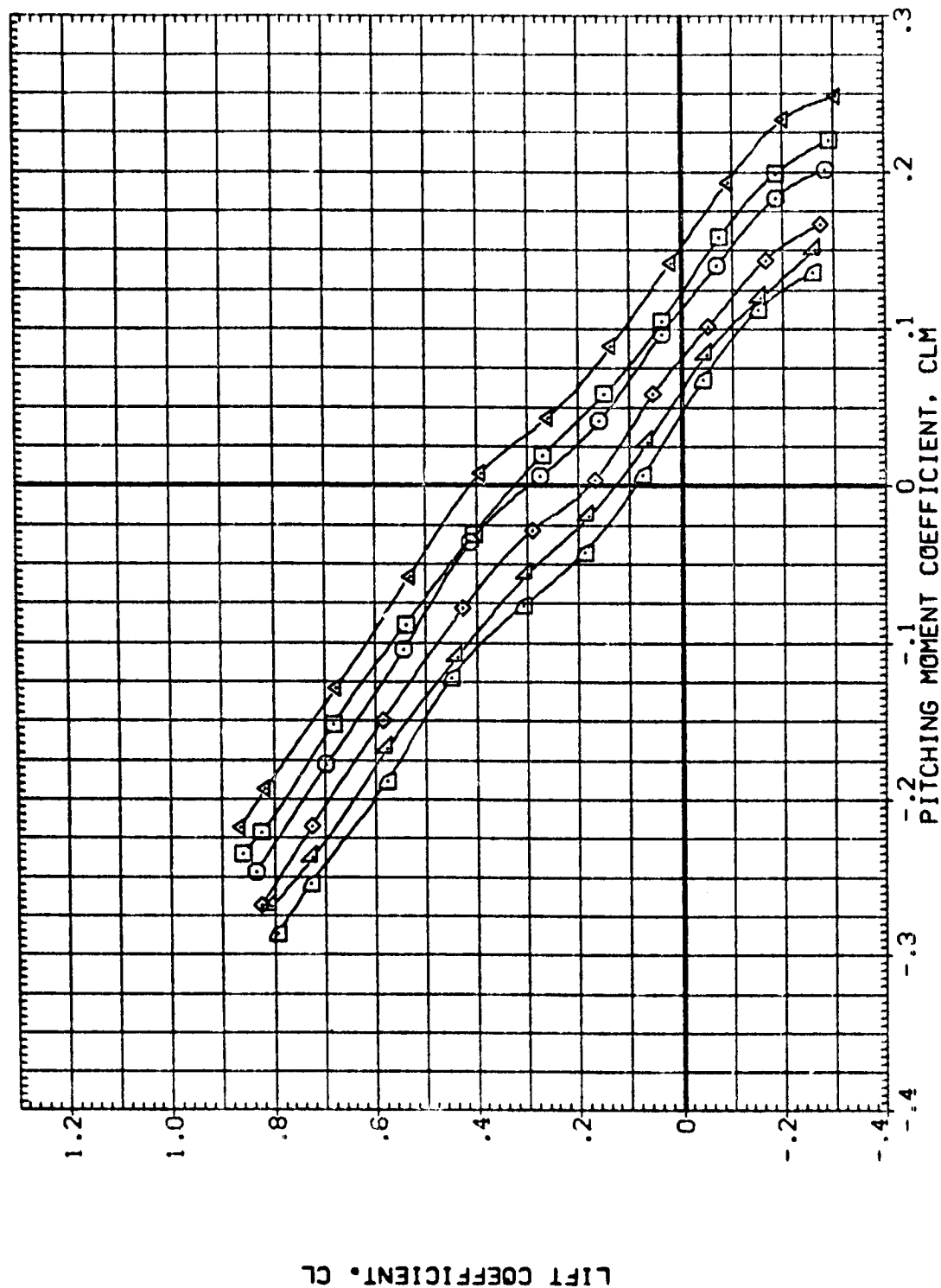


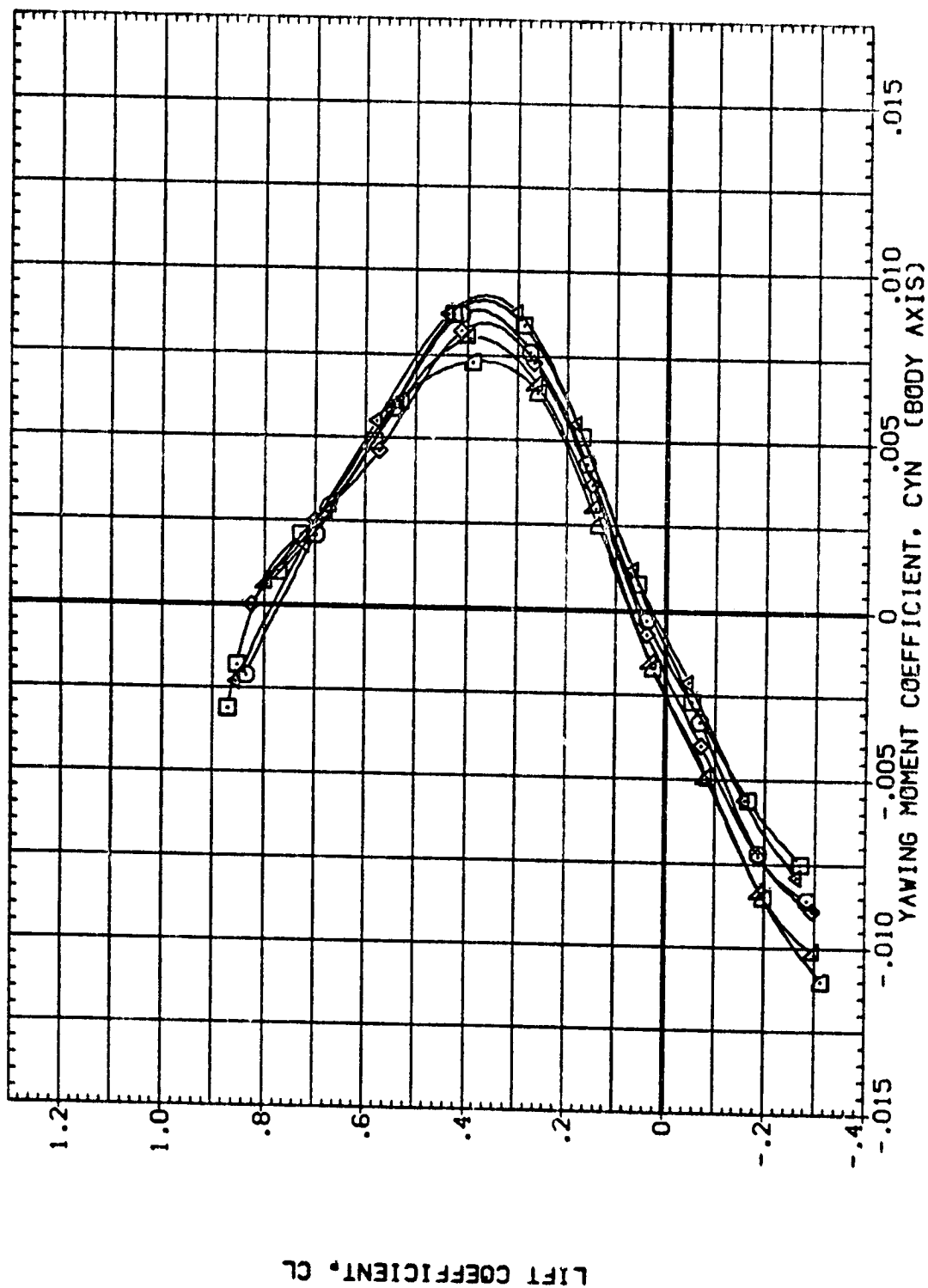
FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(MACH = 1.10

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T  
 (BAG080) V5 B2 T  
 (BAG074) V5 B2 T  
 (BAG046) V5 B2 T  
 (BAG042) V5 B2 T  
 (ZAG095) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000



# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)  
 (BAG083)  
 (BAG077)  
 (BAG036)  
 (BAG034)  
 (ZAG097)

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.600 .000  
 .000 14.000 .000

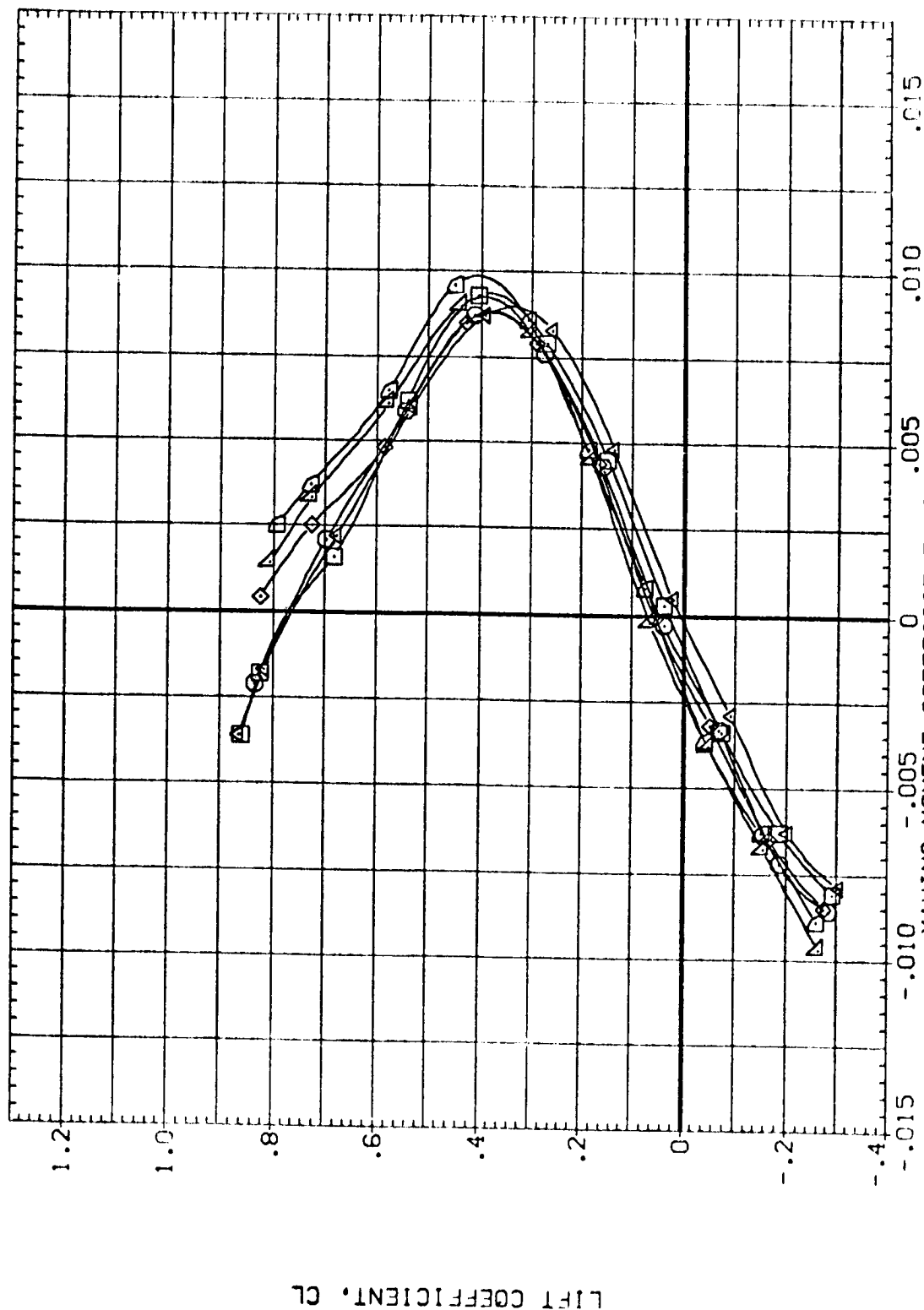


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(E)MACH = 1.10

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAD115)	V5 B2 T
(BAG080)	V5 B2 T
(BAG074)	V5 B2 T
(BAG046)	V5 B2 T
(BAG042)	V5 B2 T
(ZAD095)	V5 B2 T

AIL-L AIL-R HORIZT

.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

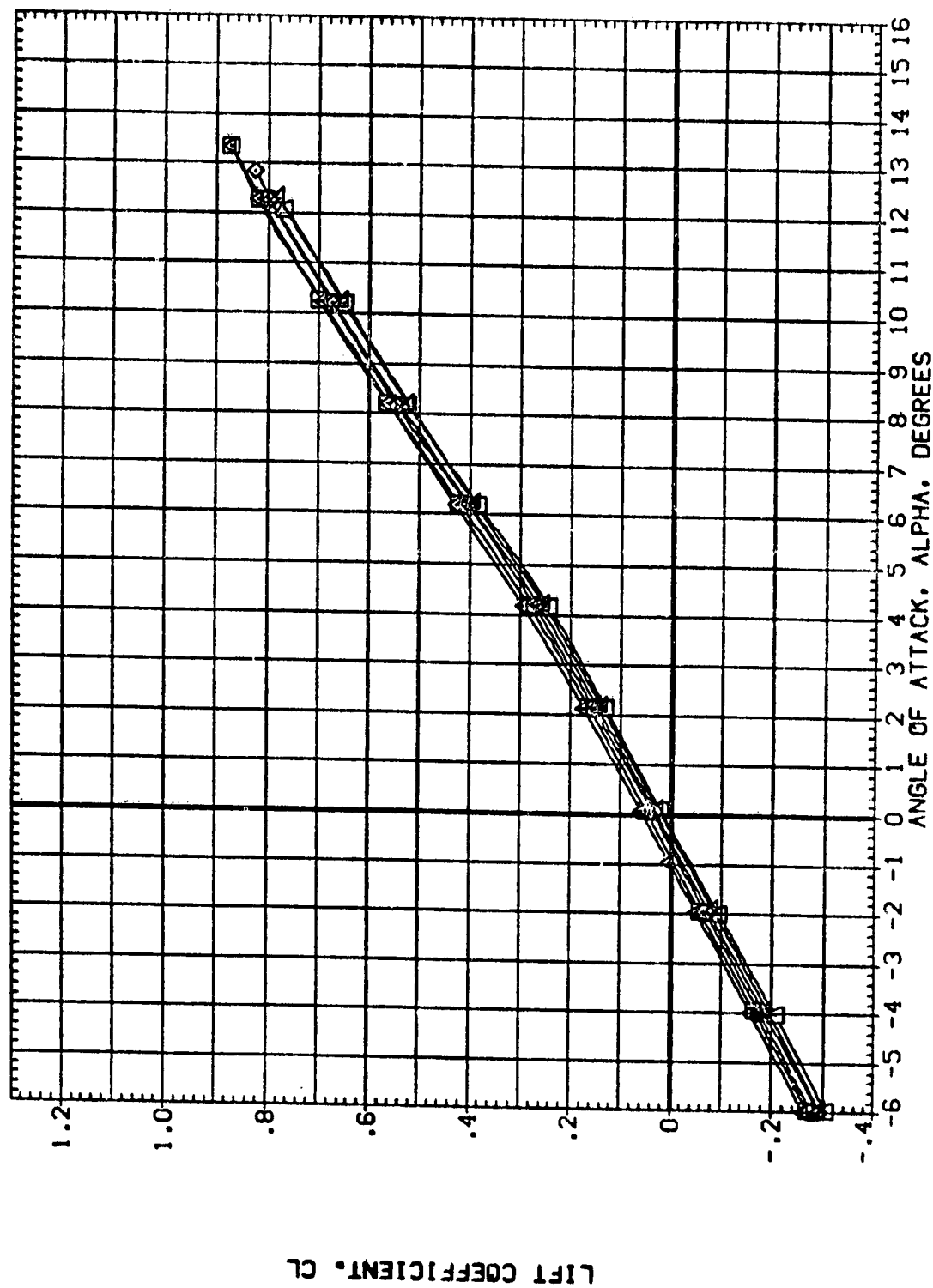


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(F)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T  
 (BAG0083) V5 B2 T  
 (BAG0077) V5 B2 T  
 (BAG0038) V5 B2 T  
 (BAG0034) V5 B2 T  
 (ZAG0097) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

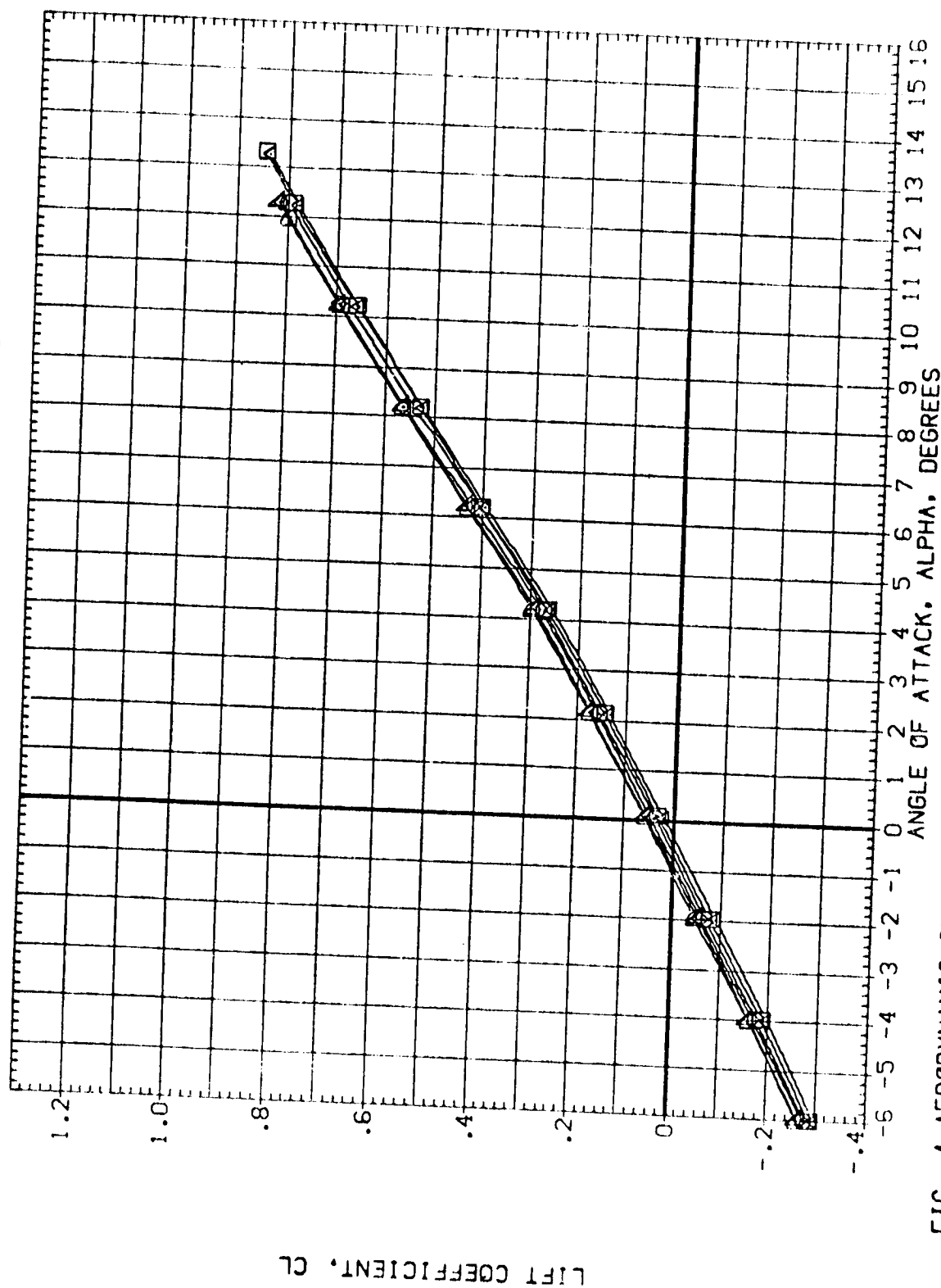


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (F)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 T	.000	.000	.000
(BAG080)	V5 B2 T	5.000	.000	.000
(BAG074)	V5 B2 T	-5.000	.000	.000
(BAG046)	V5 B2 T	10.100	.000	.000
(BAG042)	V5 B2 T	-10.700	.000	.000
(ZAG095)	V5 B2 T	-14.300	.000	.000

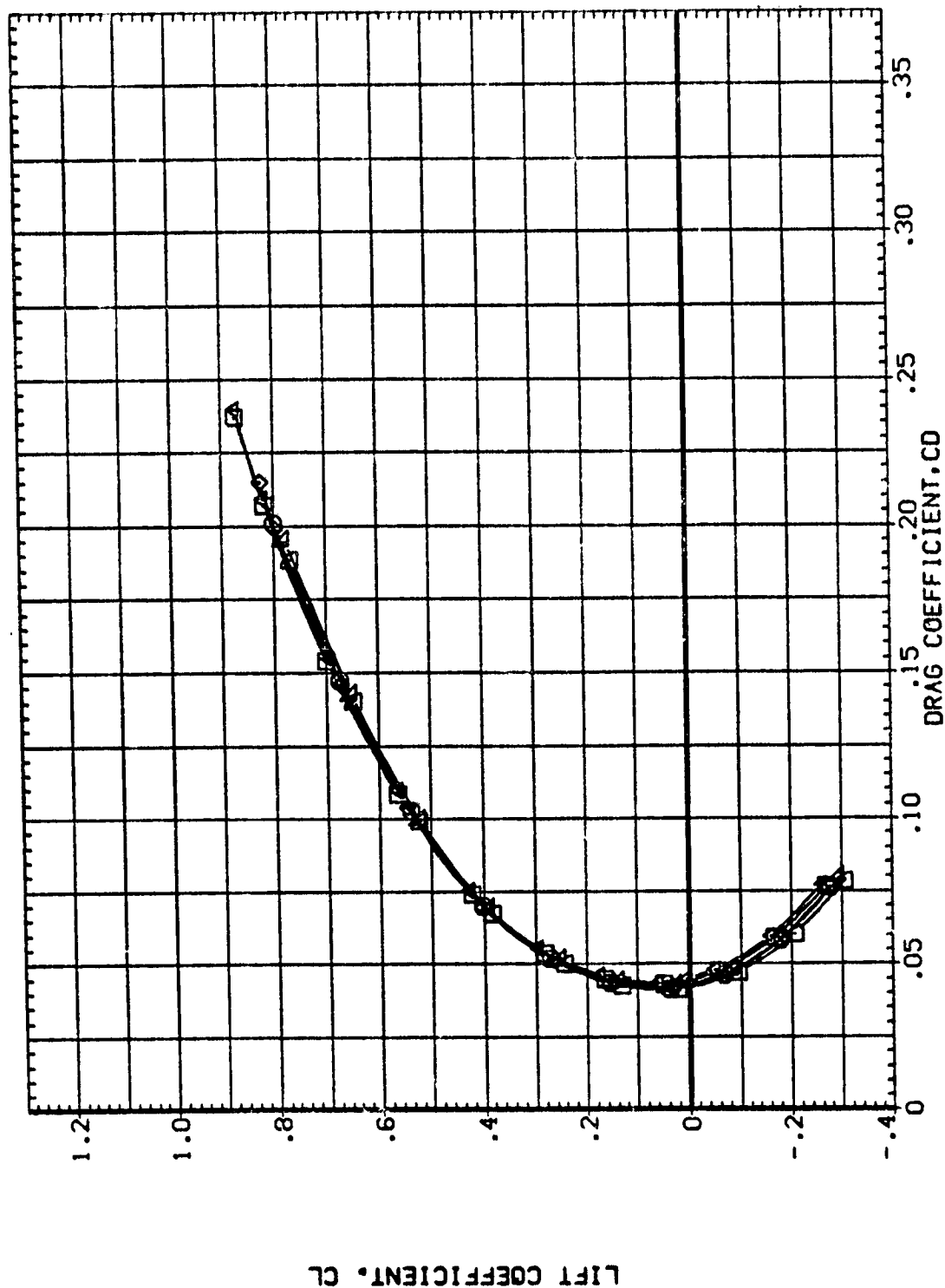


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(F)MACH = 1.20



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	VS B2 T	.000	.000	.000
(BAG063)	VS B2 T	.000	.000	.000
(BAG077)	VS B2 T	.000	-5.000	.000
(BAG036)	VS B2 T	.000	5.000	.000
(BAG024)	VS B2 T	.000	-10.000	.000
(ZAG097)	VS B2 T	.000	14.000	.000

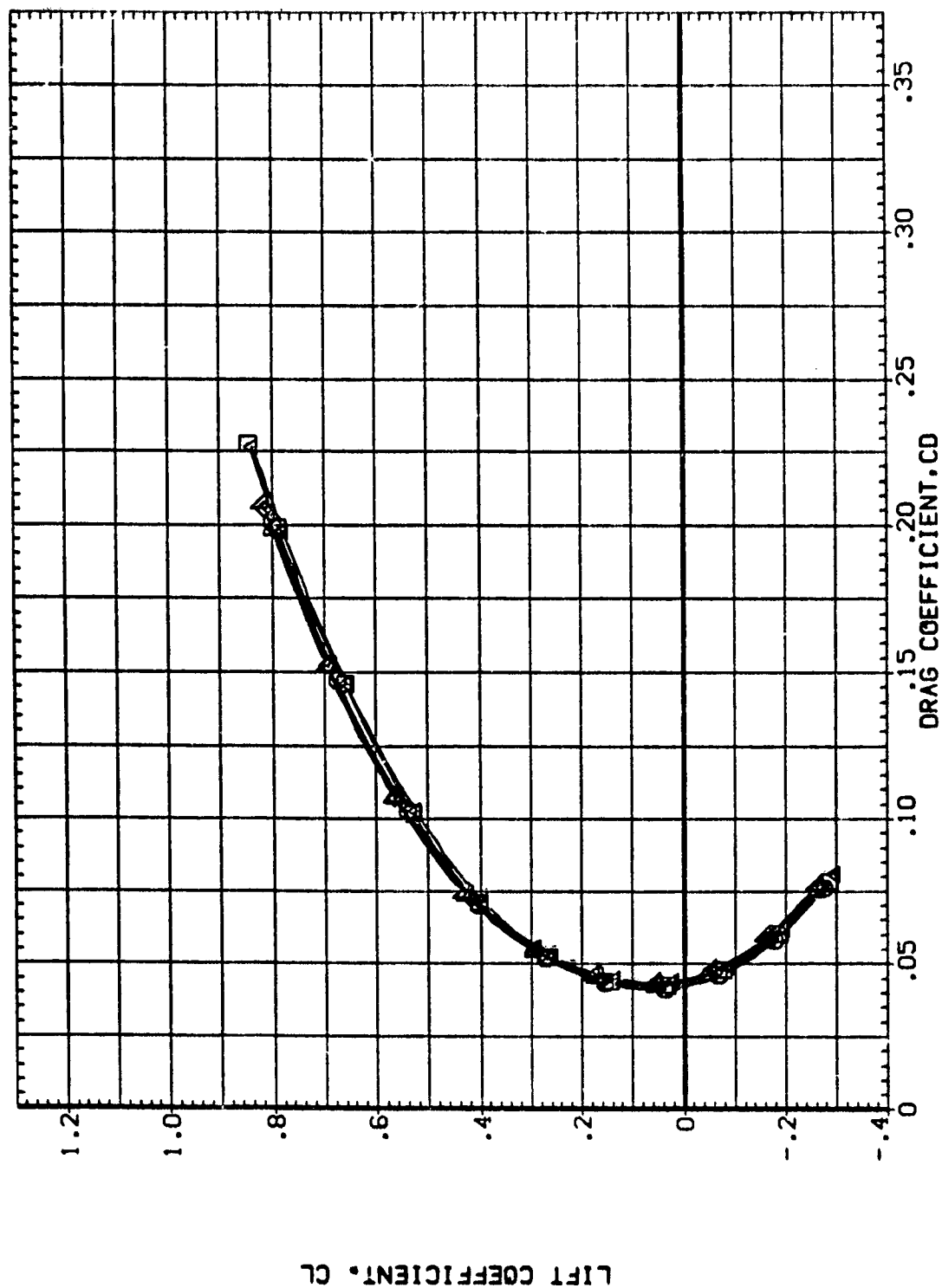


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(F)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (BAG080) V5 B2 T  
 (BAG074) V5 B2 T  
 (BAG046) V5 B2 T  
 (BAG042) V5 B2 T  
 (ZAG055) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

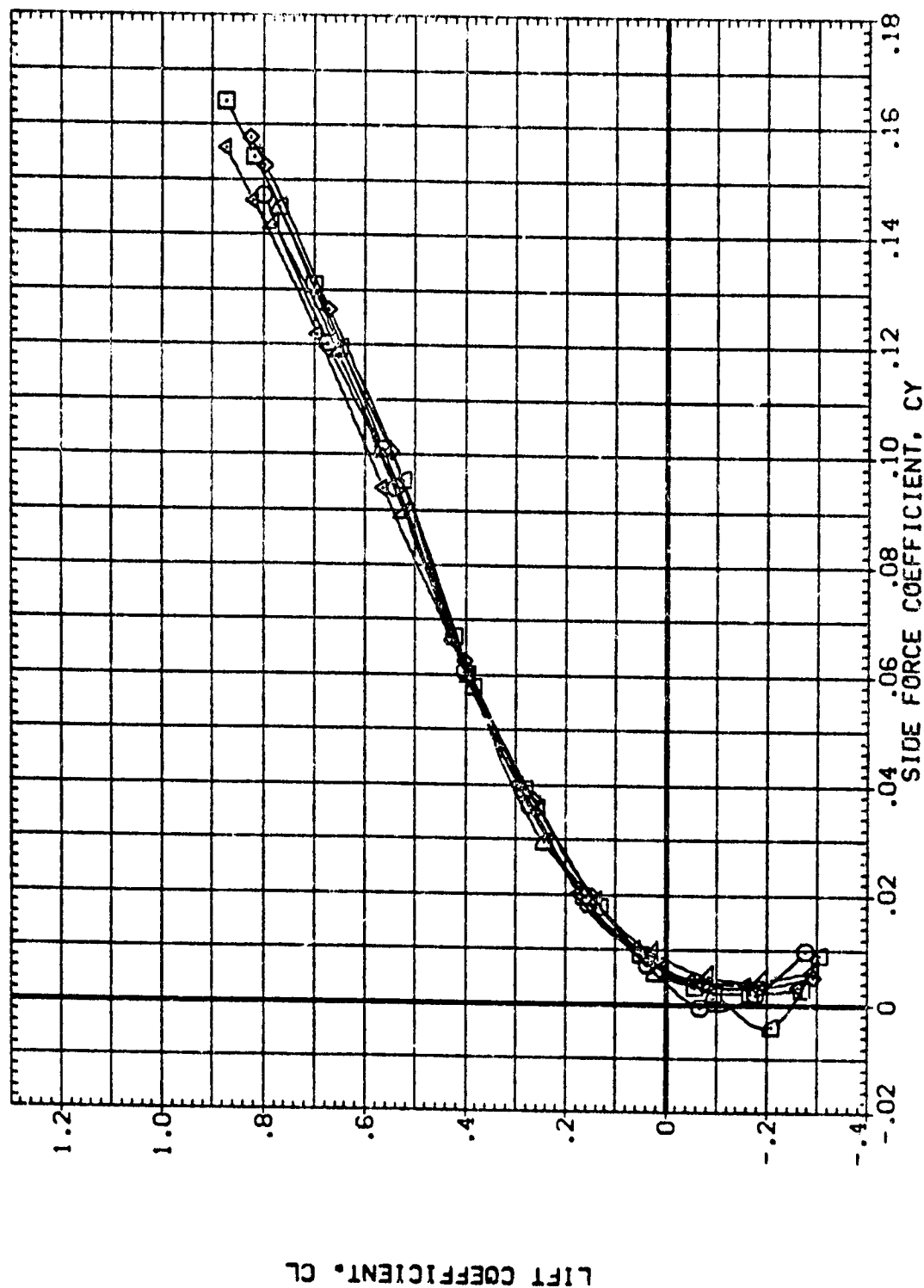


FIG. 1 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (F)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (B12083) V5 B2 T  
 (B12077) V5 B2 T  
 (B12069) V5 B2 T  
 (B12064) V5 B2 T  
 (ZAG037) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000

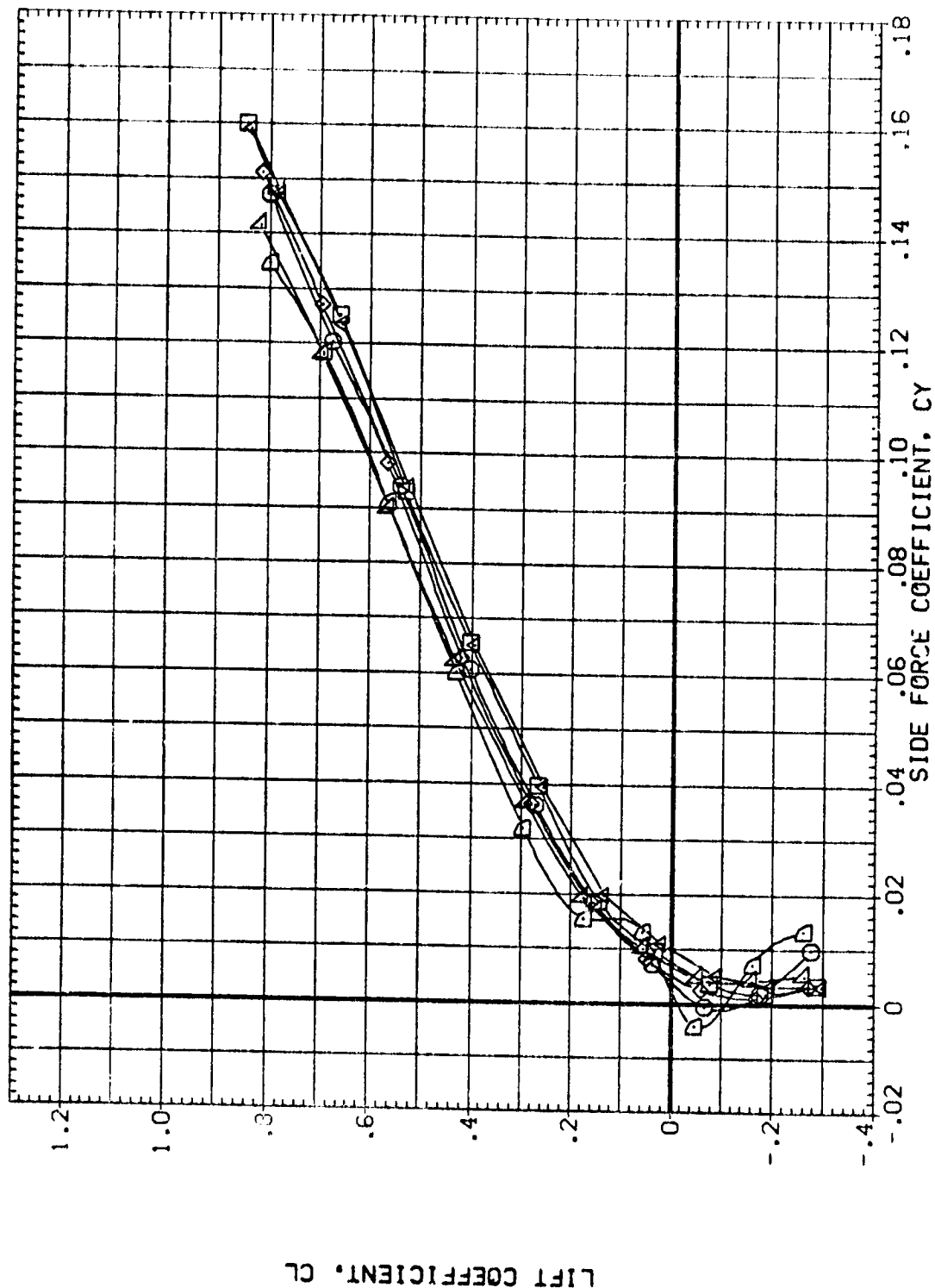


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (F)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (BA0060) V5 B2 T  
 (BA0074) V5 B2 T  
 (BA0046) V5 B2 T  
 (BA0042) V5 B2 T  
 (ZAG095) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 10.100 .000 .000  
 -10.700 .000 .000  
 -14.300 .000 .000

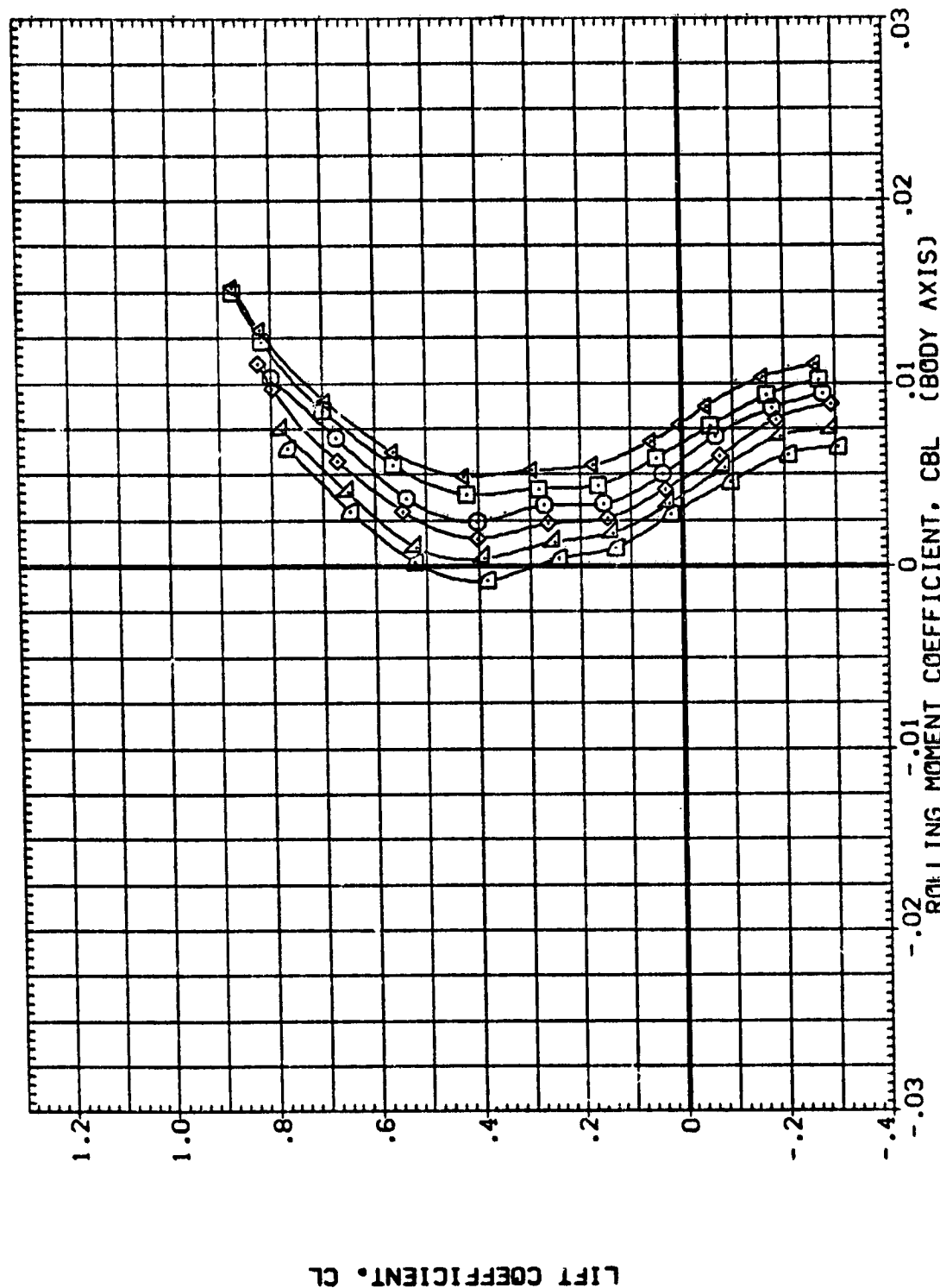


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (F)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (2A0115) V5 B2 T  
 (8A0083) V5 B2 T  
 (8A0077) V5 B2 T  
 (8A0036) V5 B2 T  
 (2A0034) V5 B2 T  
 (2A0027) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

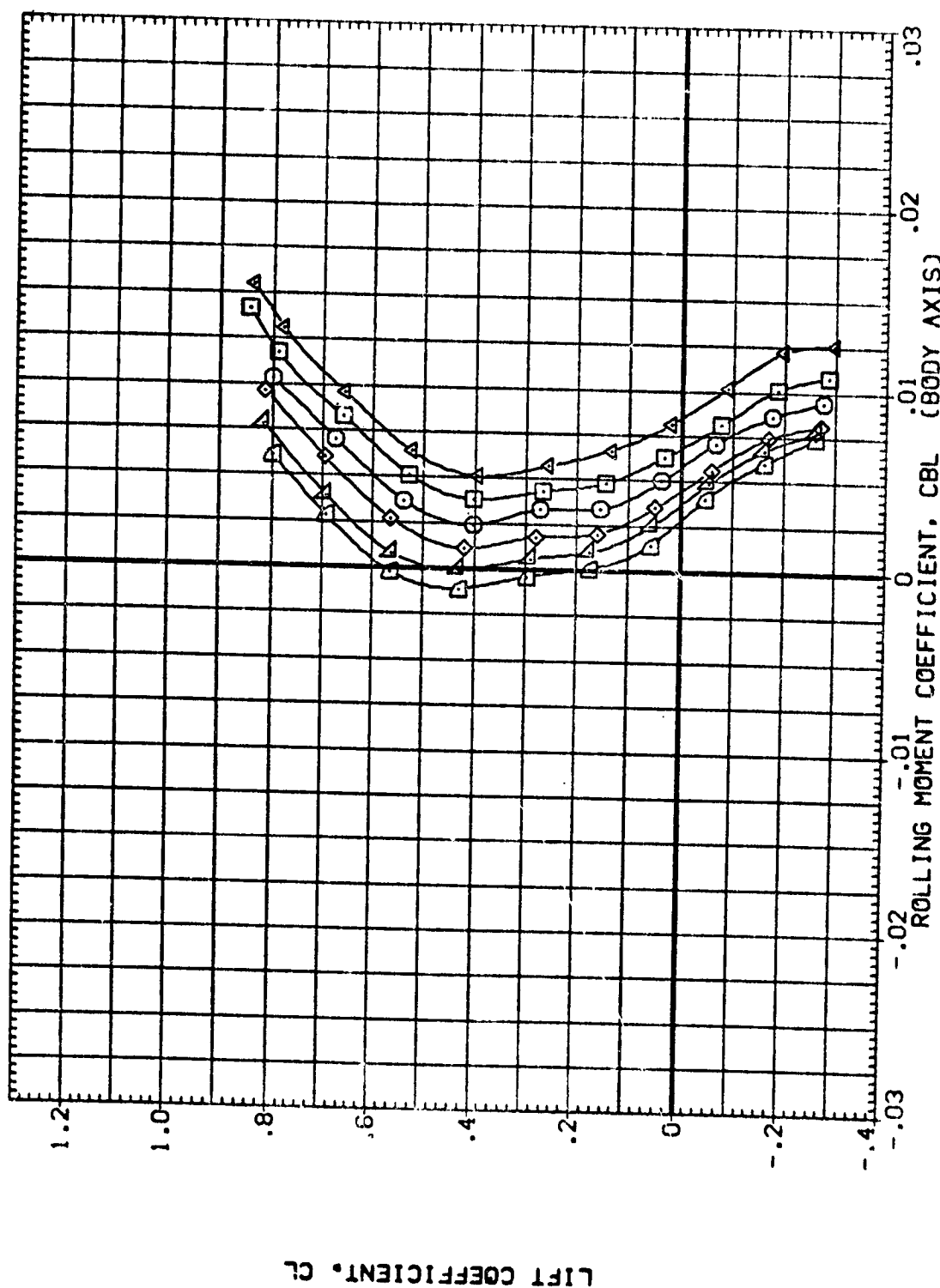


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (F)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 T	.000	.000	.000
(BAG080)	V5 B2 T	.000	.000	.000
(BAG074)	V5 B2 T	.000	.000	.000
(BAG046)	V5 B2 T	.000	.000	.000
(BAG042)	V5 B2 T	.000	.000	.000
(ZAG095)	V5 B2 T	.000	.000	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZAG115)	V5 B2 T
(BAG080)	V5 B2 T
(BAG074)	V5 B2 T
(BAG046)	V5 B2 T
(BAG042)	V5 B2 T
(ZAG095)	V5 B2 T

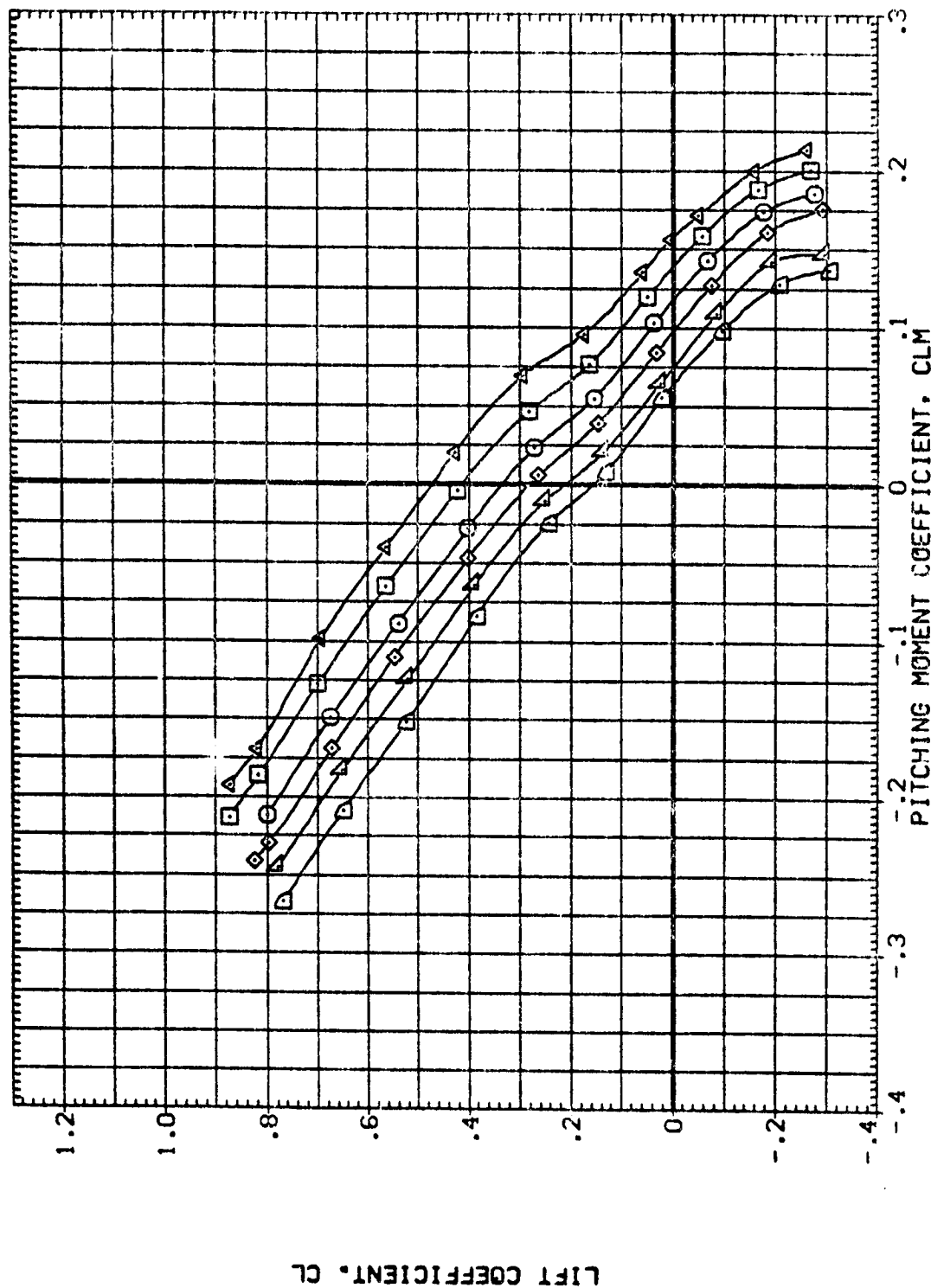


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(F)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T  
 (BA0083) V5 B2 T  
 (BA0077) V5 B2 T  
 (BA0038) V5 B2 T  
 (BA0034) V5 B2 T  
 (ZAG097) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

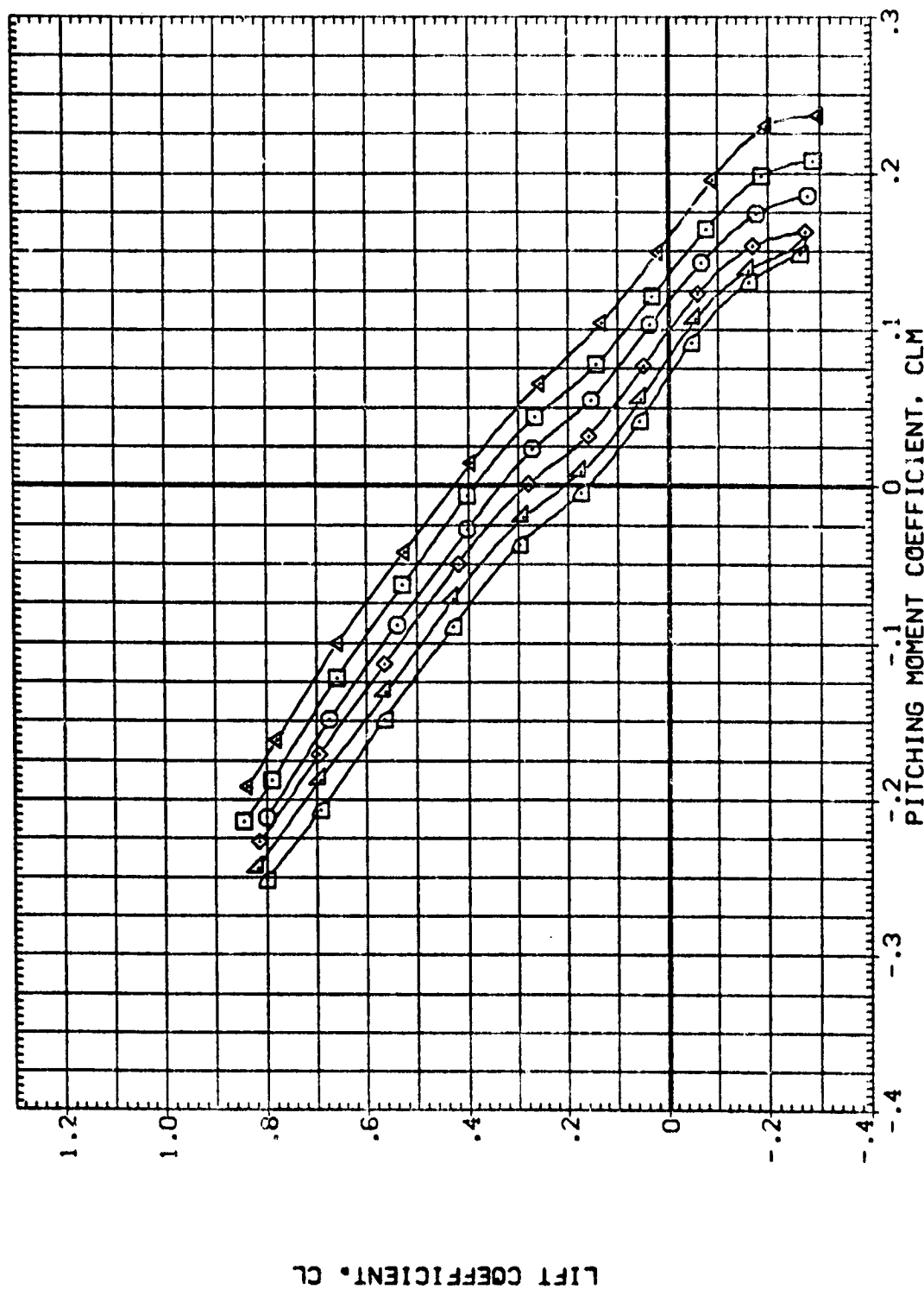


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP =60.0 DEG.

(F)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	VS B2 T	.000	.000	.000
(BAG060)	VS B2 T	.000	.000	.000
(BAG074)	VS B2 T	.000	.000	.000
(BAG046)	VS B2 T	.000	.000	.000
(BAG042)	VS B2 T	.000	.000	.000
(ZAG055)	VS B2 T	.000	.000	.000

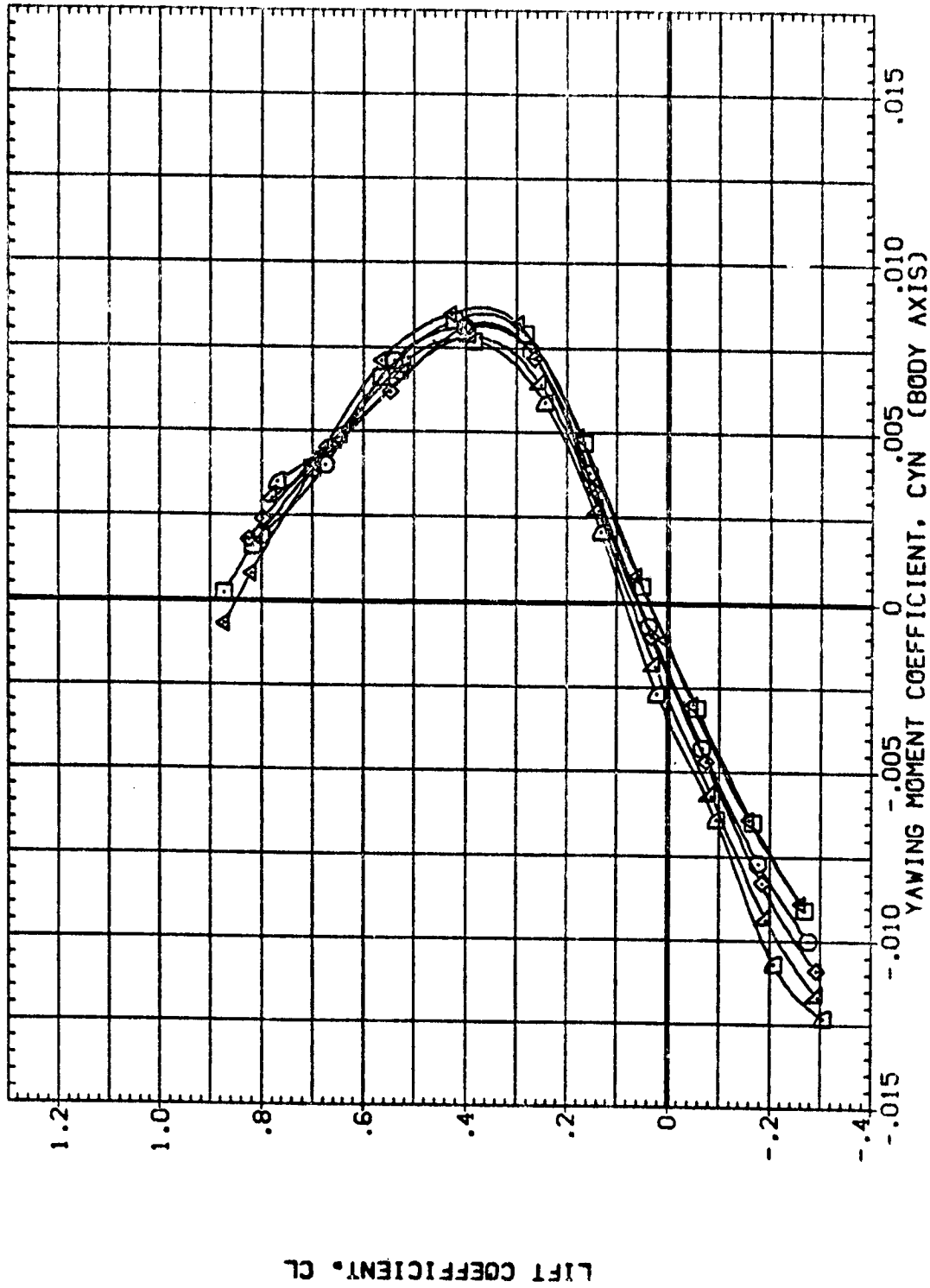


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 80.0 DEG.

(F)MACH = 1.20



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG100) VS B2 T  
 (BAG100) VS B2 T  
 (BAG200) VS B2 T  
 (BAG300) VS B2 T  
 (BAG400) VS B2 T  
 (ZAG300) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.600 .000  
 .000 14.000 .000

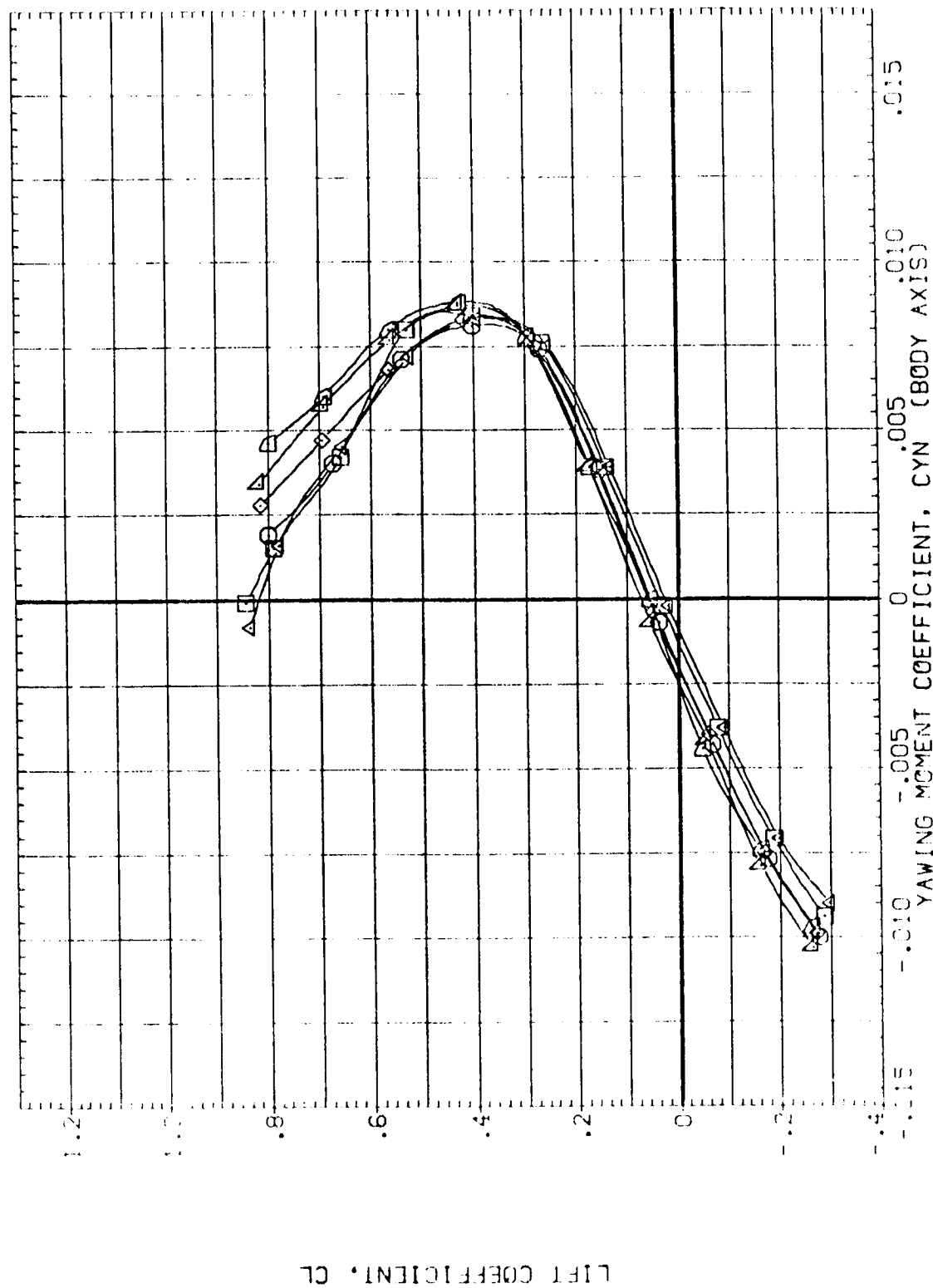


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)  
(BAG080)  
(BAG074)  
(BAG046)  
(BAG042)  
(ZAG055)

V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
-10.100 .000 .000  
-14.300 .000 .000

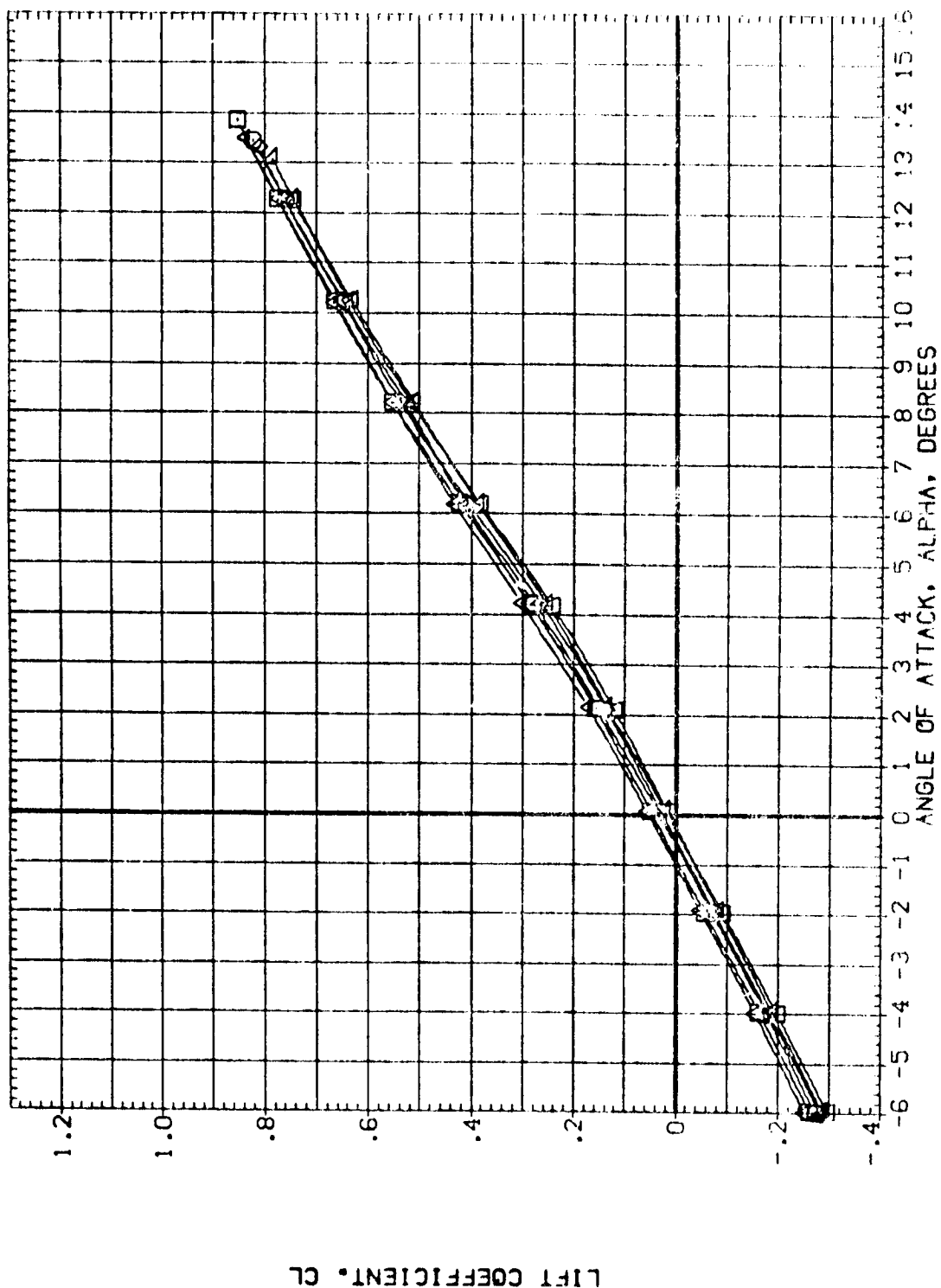


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(G)MACH = 1.30

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAC115)  
 (BA2063)  
 (BA2077)  
 (BA2039)  
 (BA2014)  
 (ZAC057)

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

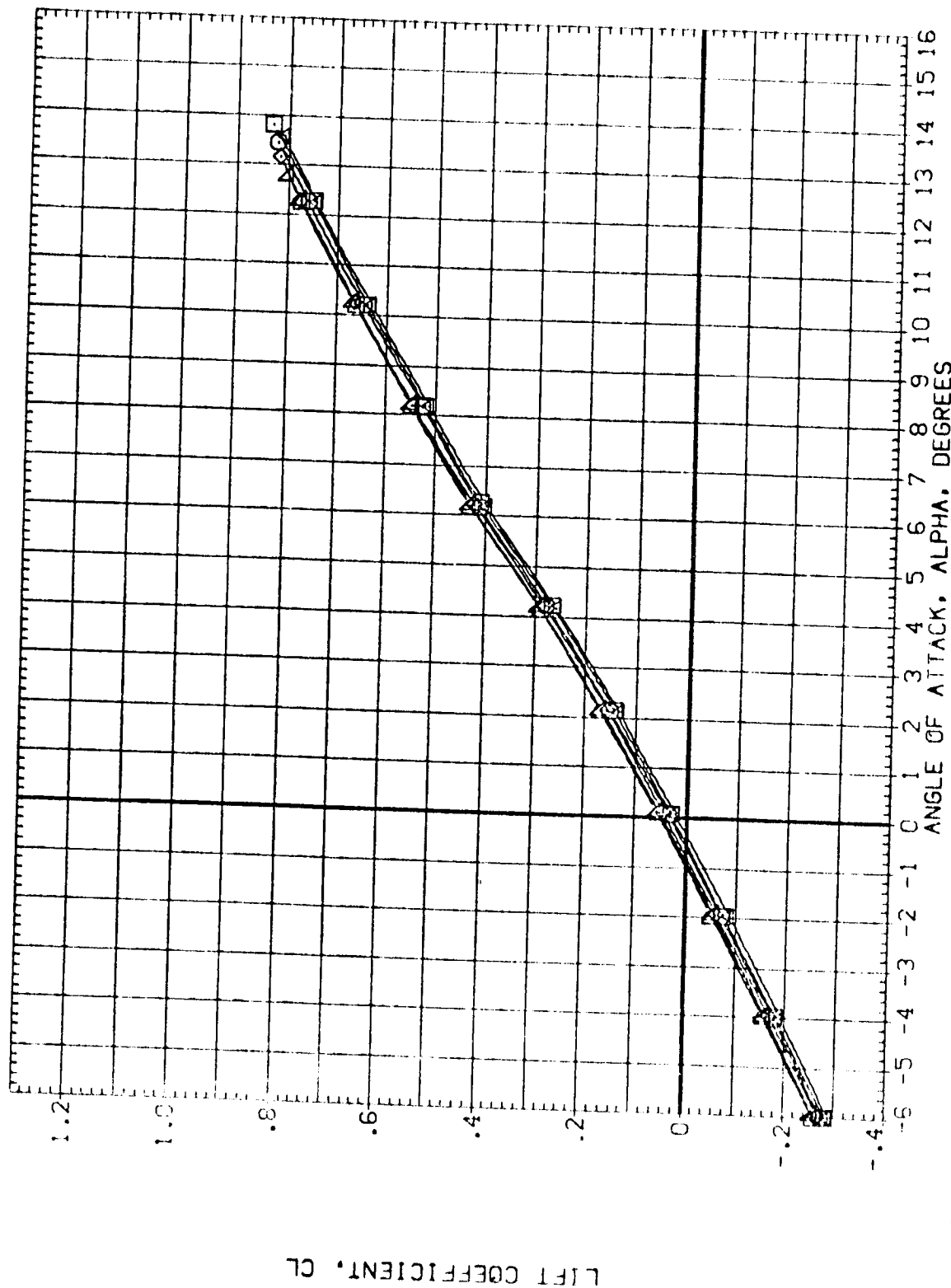


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 CGMACH = 1.30

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG1115)	VS B2 T
(BAG0090)	VS B2 T
(BAG0074)	VS B2 T
(BAG0046)	VS B2 T
(BAG0042)	VS B2 T
(ZAG0055)	VS B2 T

AIL-L AIL-R HORIZT

.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

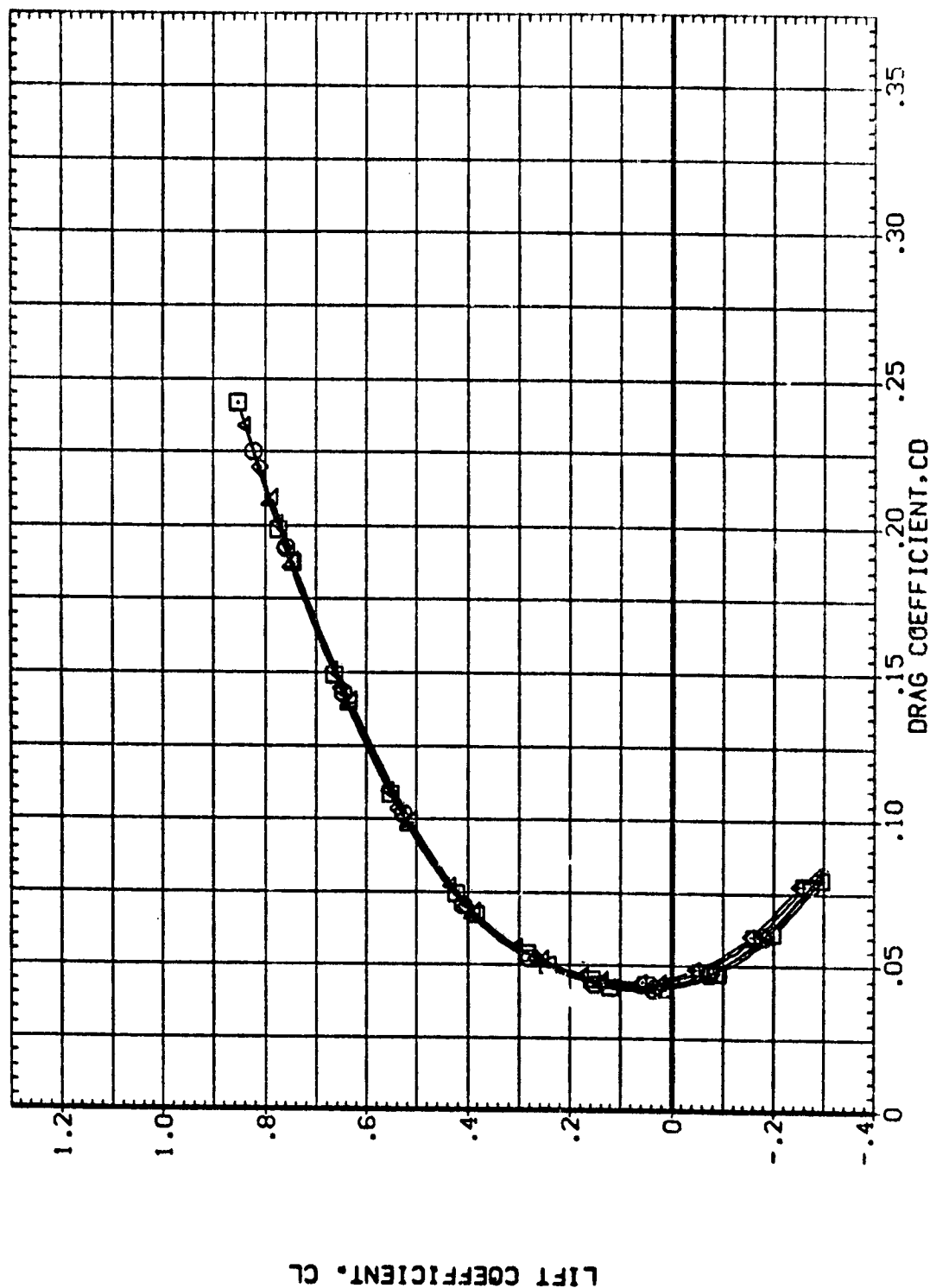


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(G)MACH = 1.30

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)	V5 B2 T
(BAG063)	V5 B2 T
(BAG077)	V5 B2 T
(BAG036)	V5 B2 T
(BAG034)	V5 B2 T
(ZAG097)	V5 B2 T

AIL-L AIL-R HORIZT

.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.500	.000
.000	14.000	.000

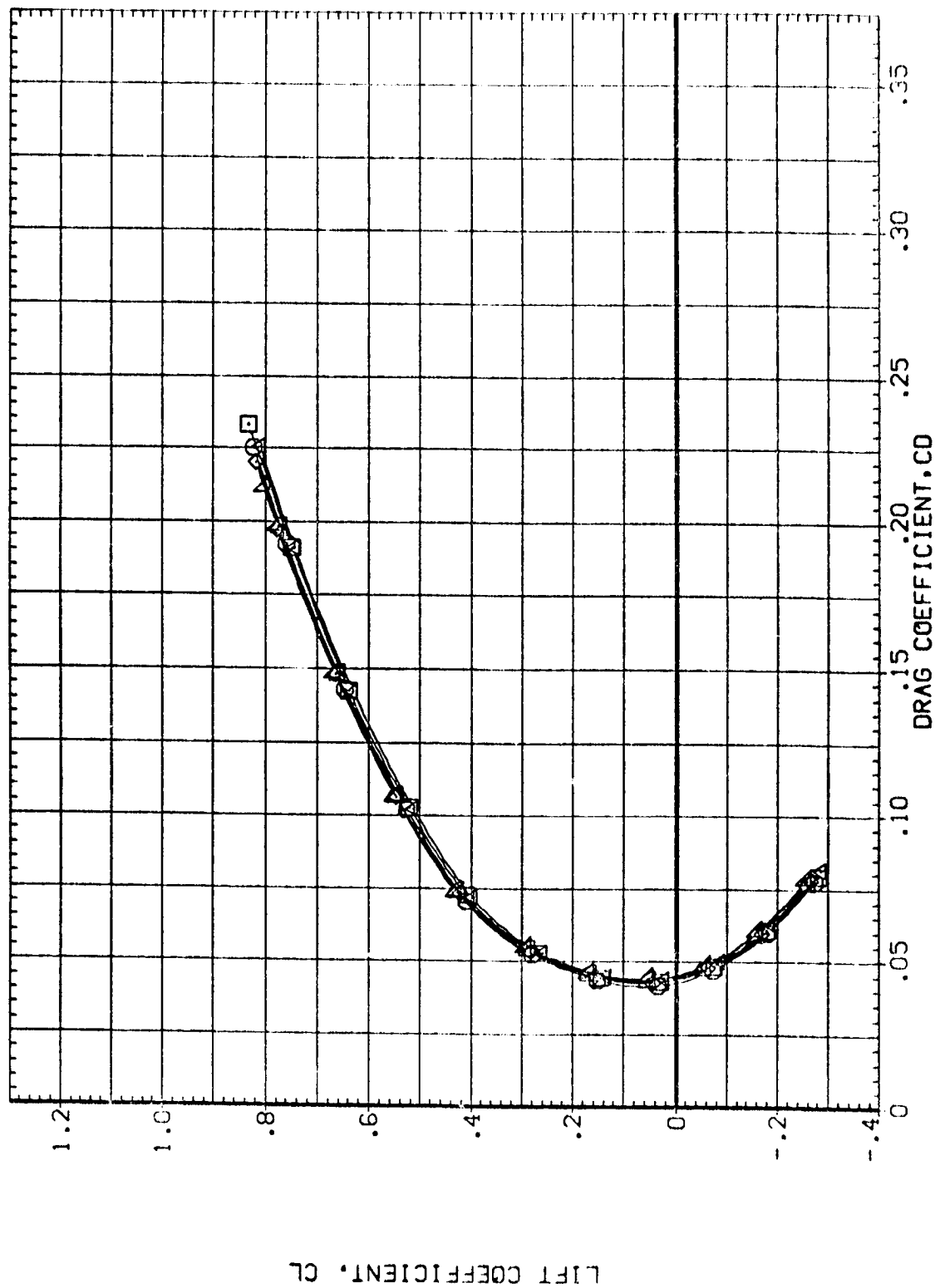


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(G)MACH = 1.30

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)  
 (BAG090)  
 (BAG074)  
 (BAG046)  
 (BAG042)  
 (ZAG095)

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 5.000 .000 .000  
 -5.000 .000 .000  
 -10.100 .000 .000  
 -14.300 .000 .000

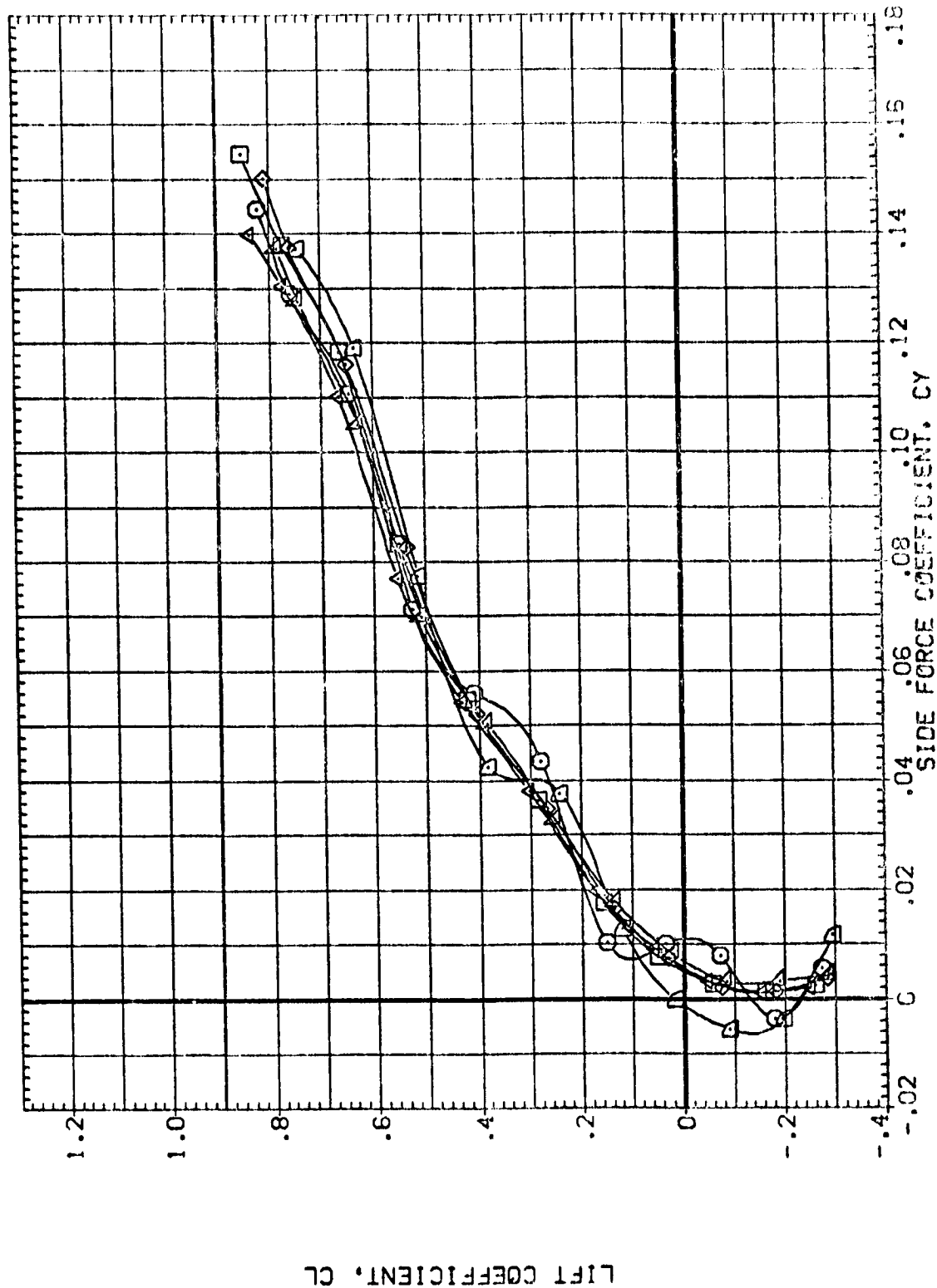


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(GJMACH = 1.30

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 T	.000	.000	.000
(BAG083)	V5 B2 T	.000	-5.000	.000
(BAG077)	V5 B2 T	.000	5.000	.000
(BAG038)	V5 B2 T	.000	-10.000	.000
(BAG034)	V5 B2 T	.000	10.000	.000
(ZAG057)	V5 B2 T	.000	14.000	.000

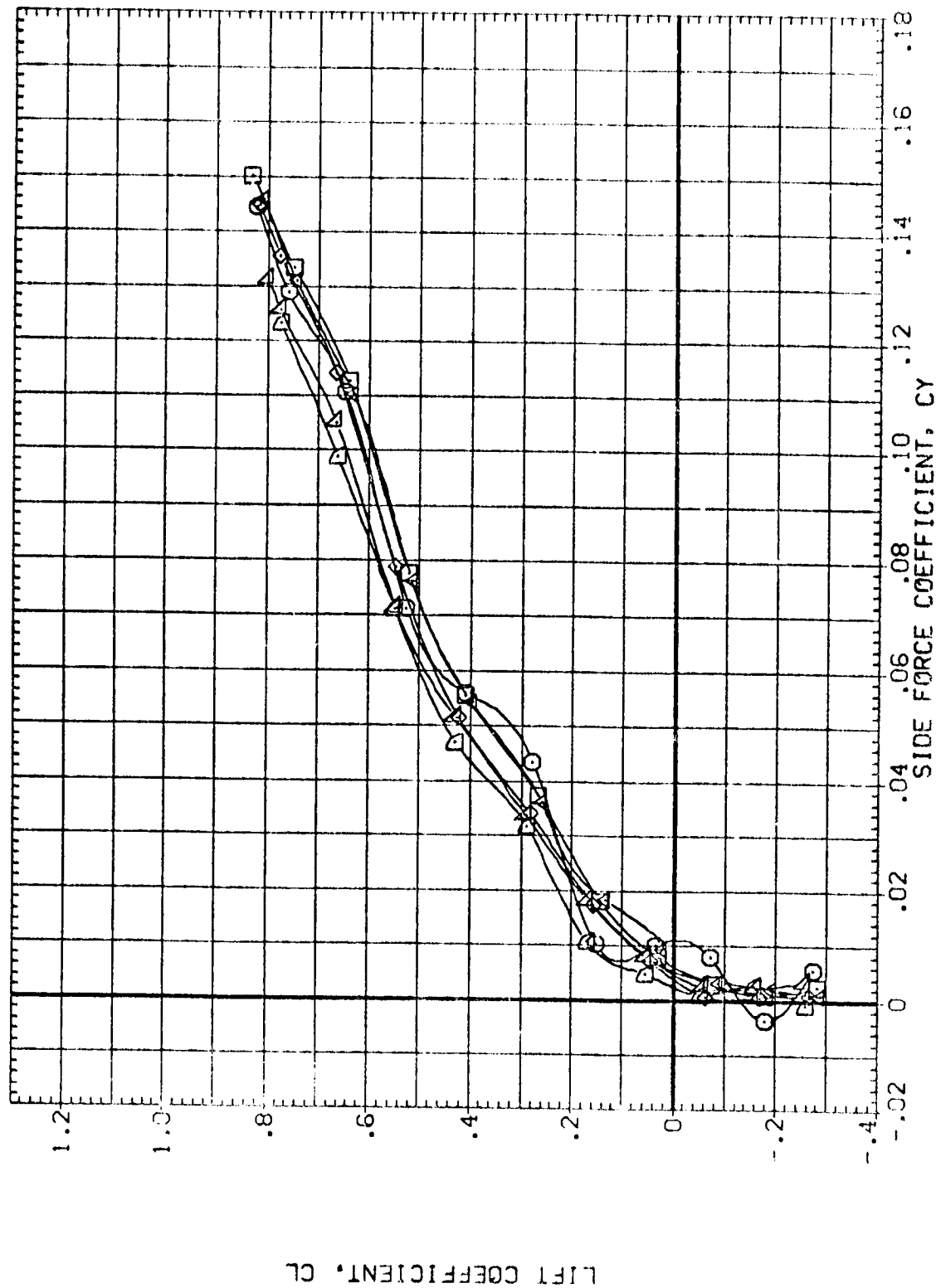


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG0115)	V5 B2 T	.000	.000	.000
(BAG0080)	V5 B2 T	5.000	.000	.000
(BAG0074)	V5 B2 T	-5.000	.000	.000
(BAG0046)	V5 B2 T	10.100	.000	.000
(BAG0042)	V5 B2 T	-10.700	.000	.000
(ZAG0055)	V5 B2 T	-14.300	.000	.000

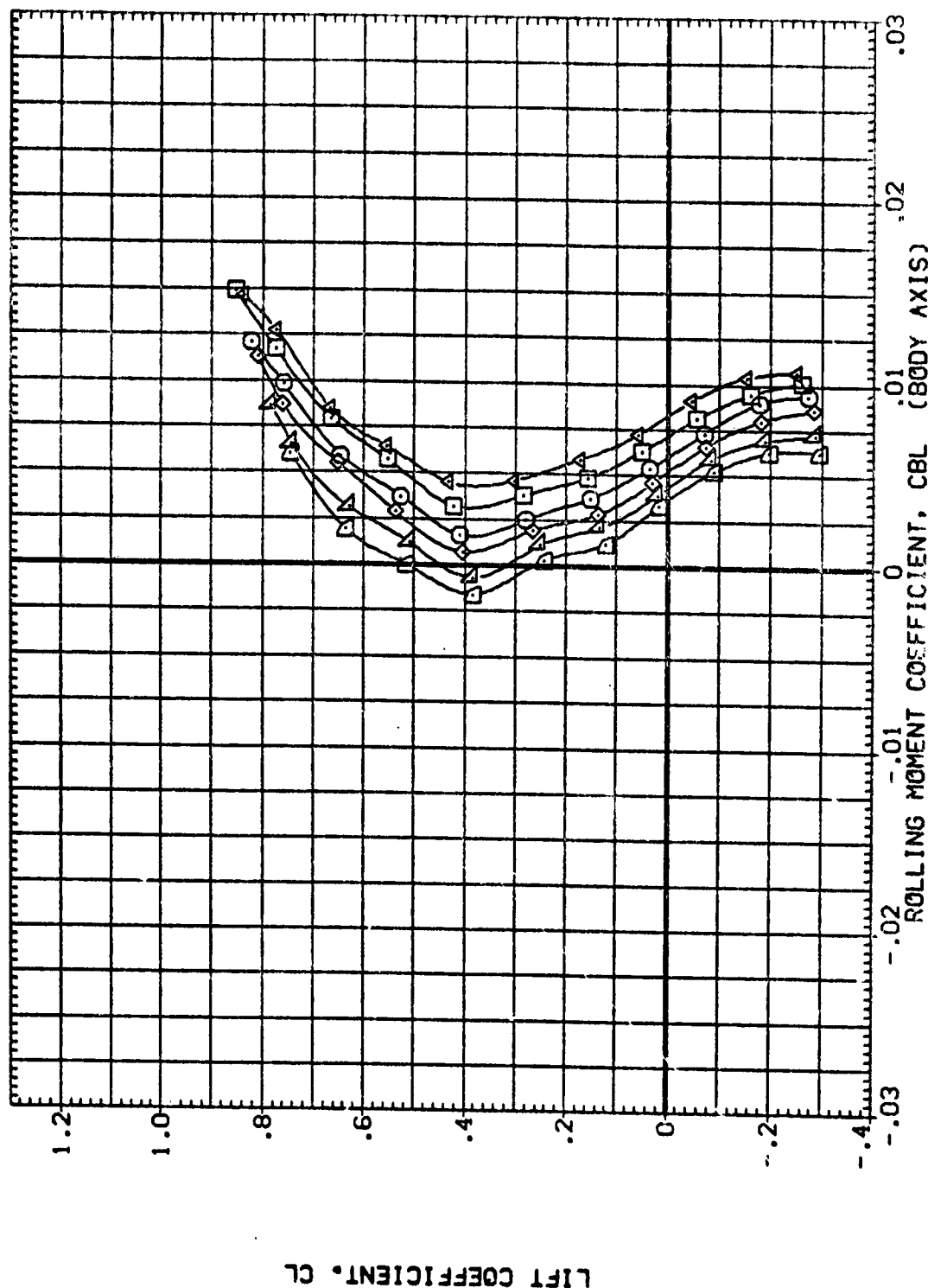


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(G)MACH = 1.30



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)	V5 B2 T
(BA0069)	V5 B2 T
(BA0077)	V5 B2 T
(BA0088)	V5 B2 T
(BA1034)	V5 B2 T
(ZAG057)	V5 B2 T

AIL-L AIL-R HORIZT

.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

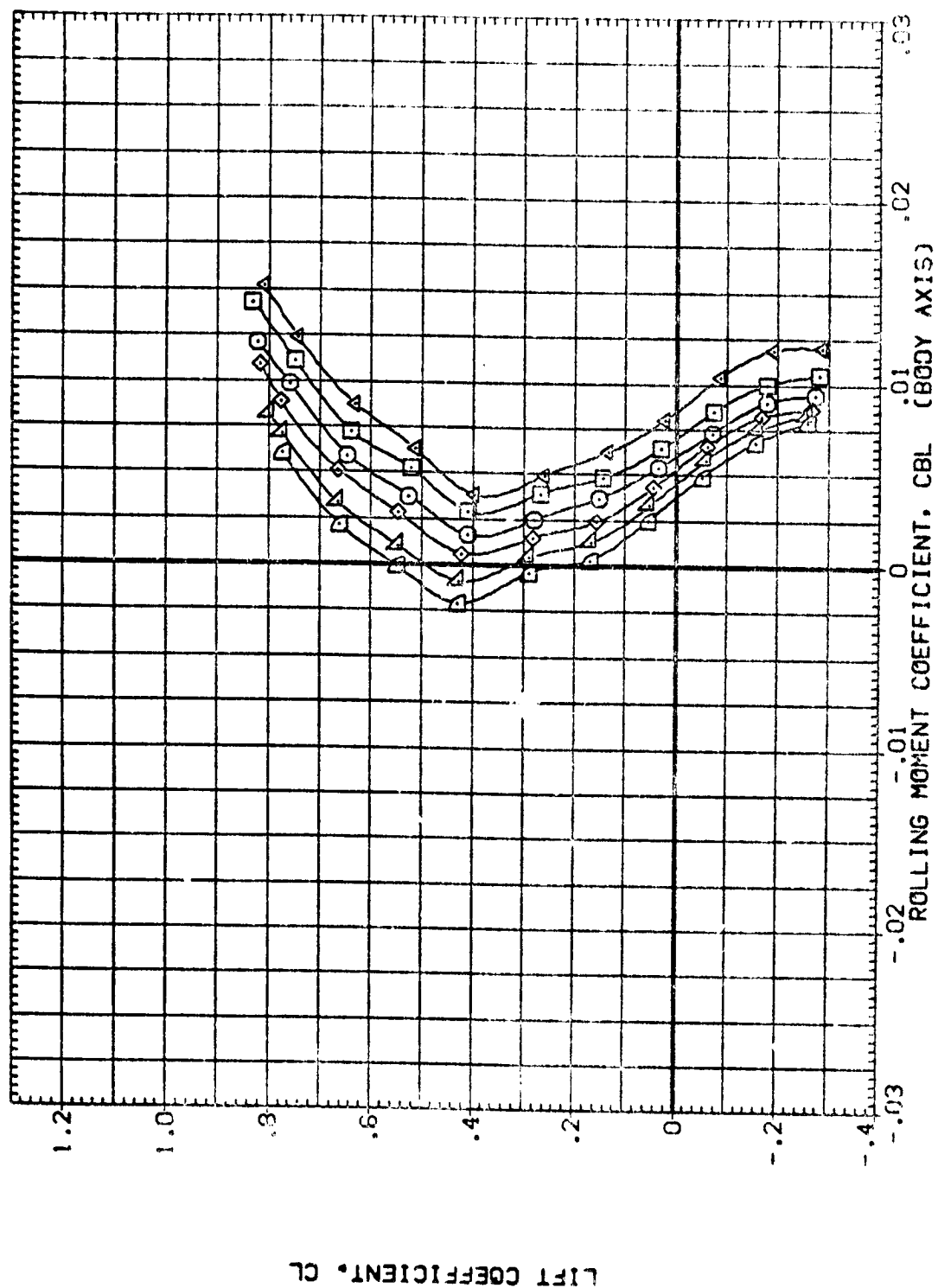


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

GMACH = 1.30

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG0115)  
(BAG0060)  
(BAG0074)  
(BAG0046)  
(BAG0042)  
(ZAG0095)

VS B2 T  
VS B2 T  
VS B2 T  
VS B2 T  
VS B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000  
-14.300 .000 .000

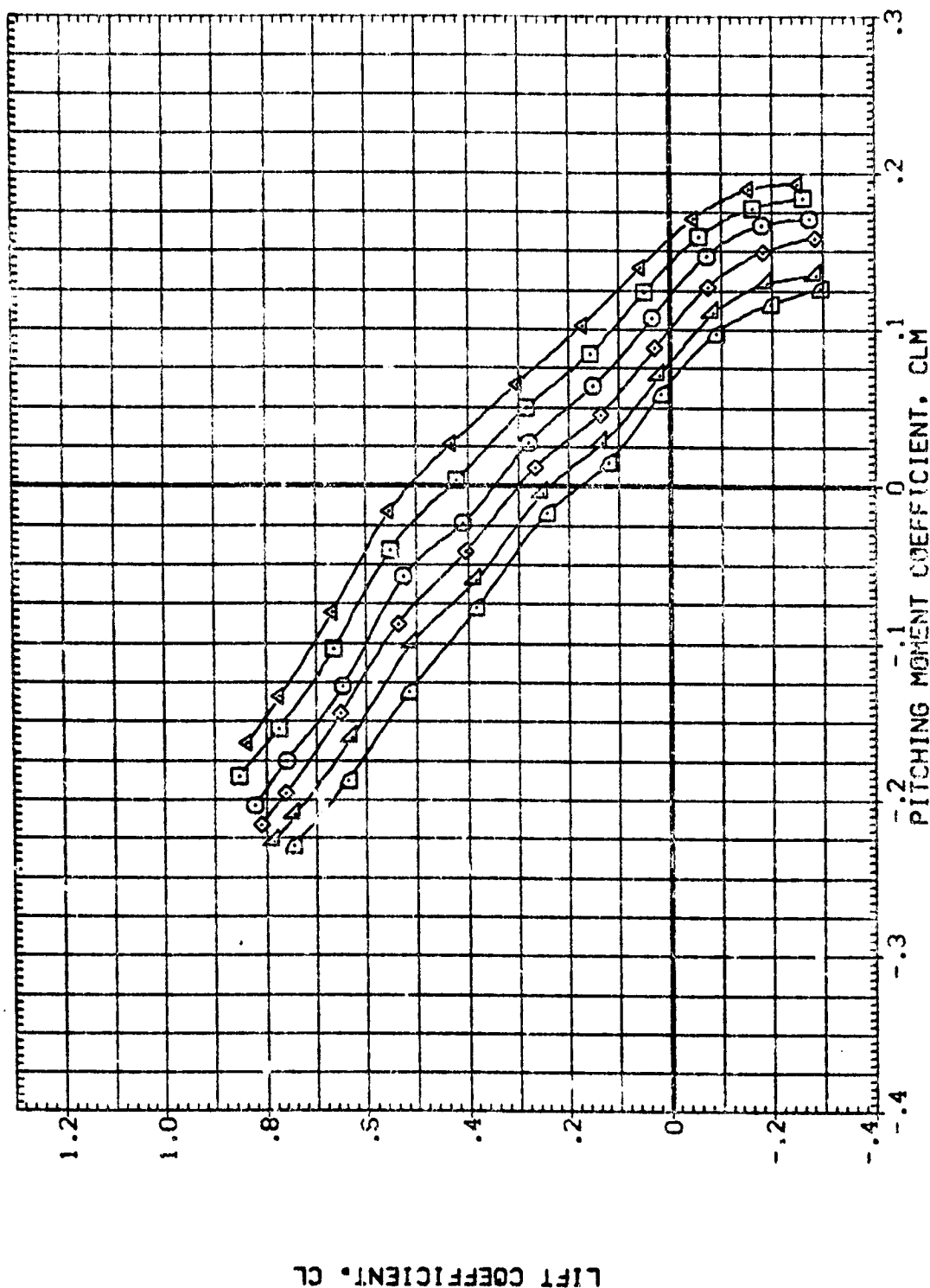


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(G)MACH = 1.30

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) VS B2 ↑  
 (BAG063) VS B2 ↑  
 (BAG077) VS B2 ↑  
 (BAG038) VS B2 ↑  
 (S13031) VS B2 ↑  
 (ZAG057) VS B2 ↑

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

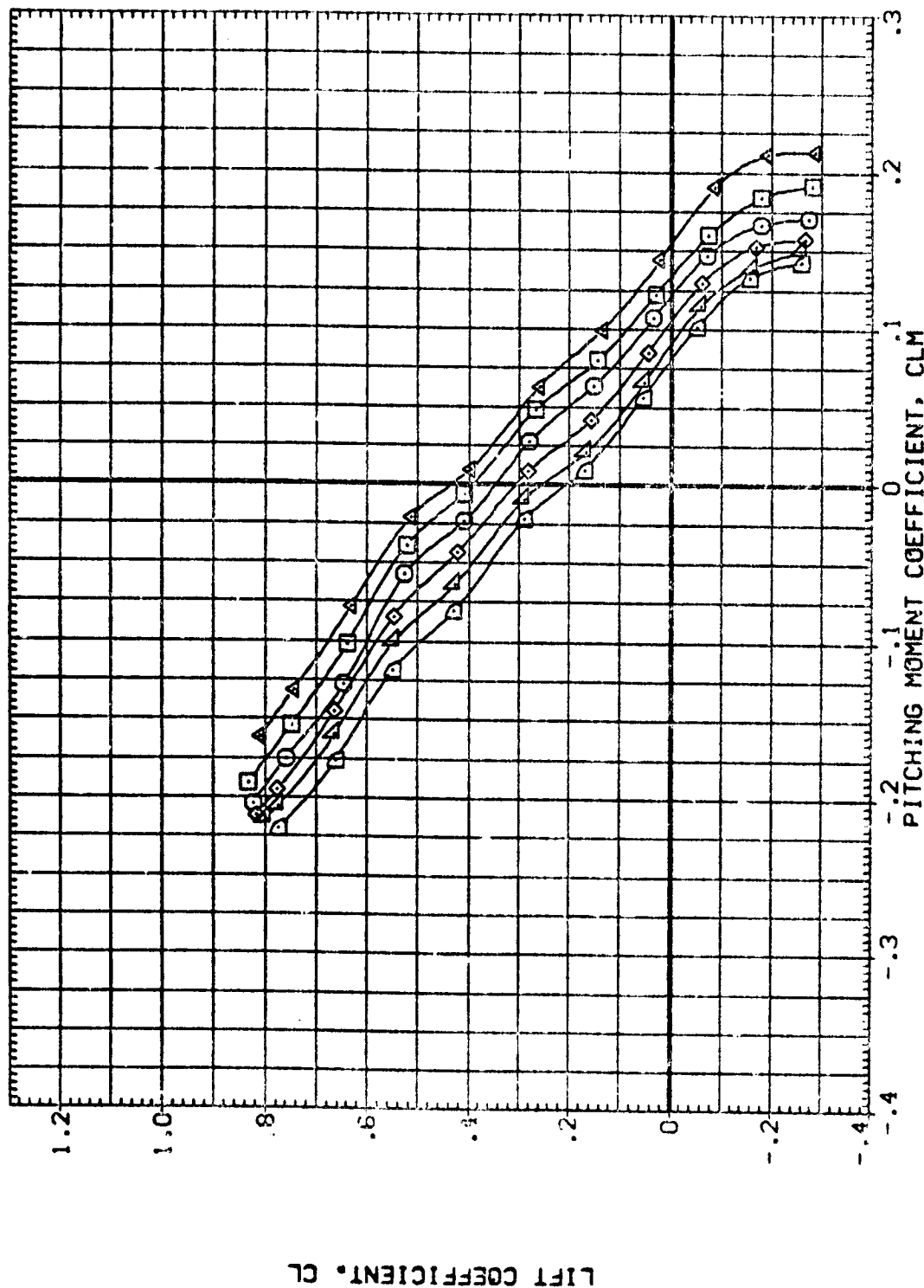


FIG. 1 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(G)MACH = 1.30

REF. POINT. CENTER OF THE  
ORIGINAL. POINT. OF FORM.

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 T	.000	.000	.000
(BAG080)	V5 B2 T	5.000	.000	.000
(BAG074)	V5 B2 T	-5.000	.000	.000
(BAG046)	V5 B2 T	10.100	.000	.000
(BAG042)	V5 B2 T	-10.700	.000	.000
(ZAG085)	V5 B2 T	-14.300	.000	.000

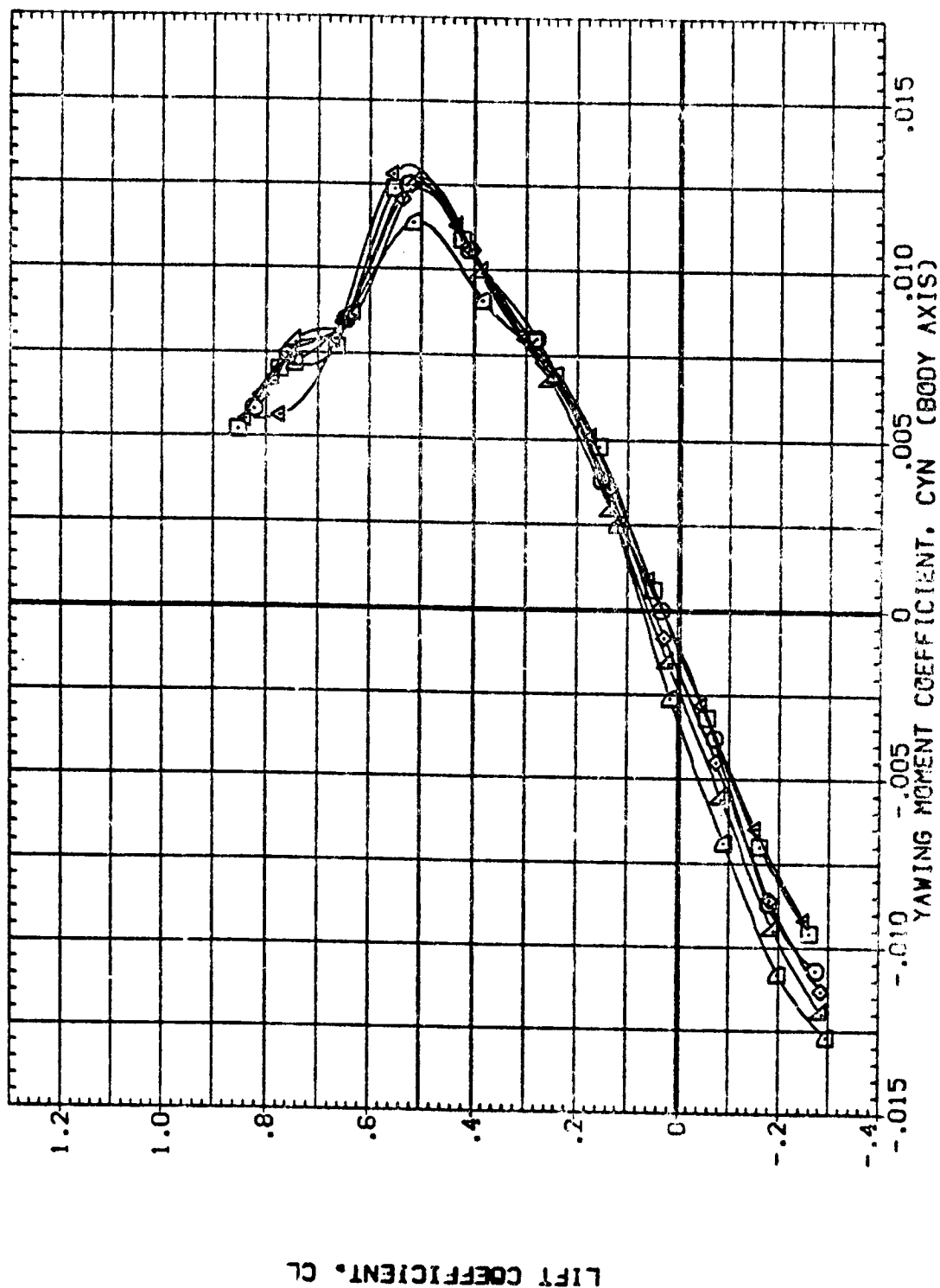


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(GMACH = 1.30) PAGE 182

# DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) VS B2 T  
 (BAQ383) VS B2 T  
 (BAQ077) VS B2 T  
 (BAQ039) VS B2 T  
 (BAQ024) VS B2 T  
 (ZAG097) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000

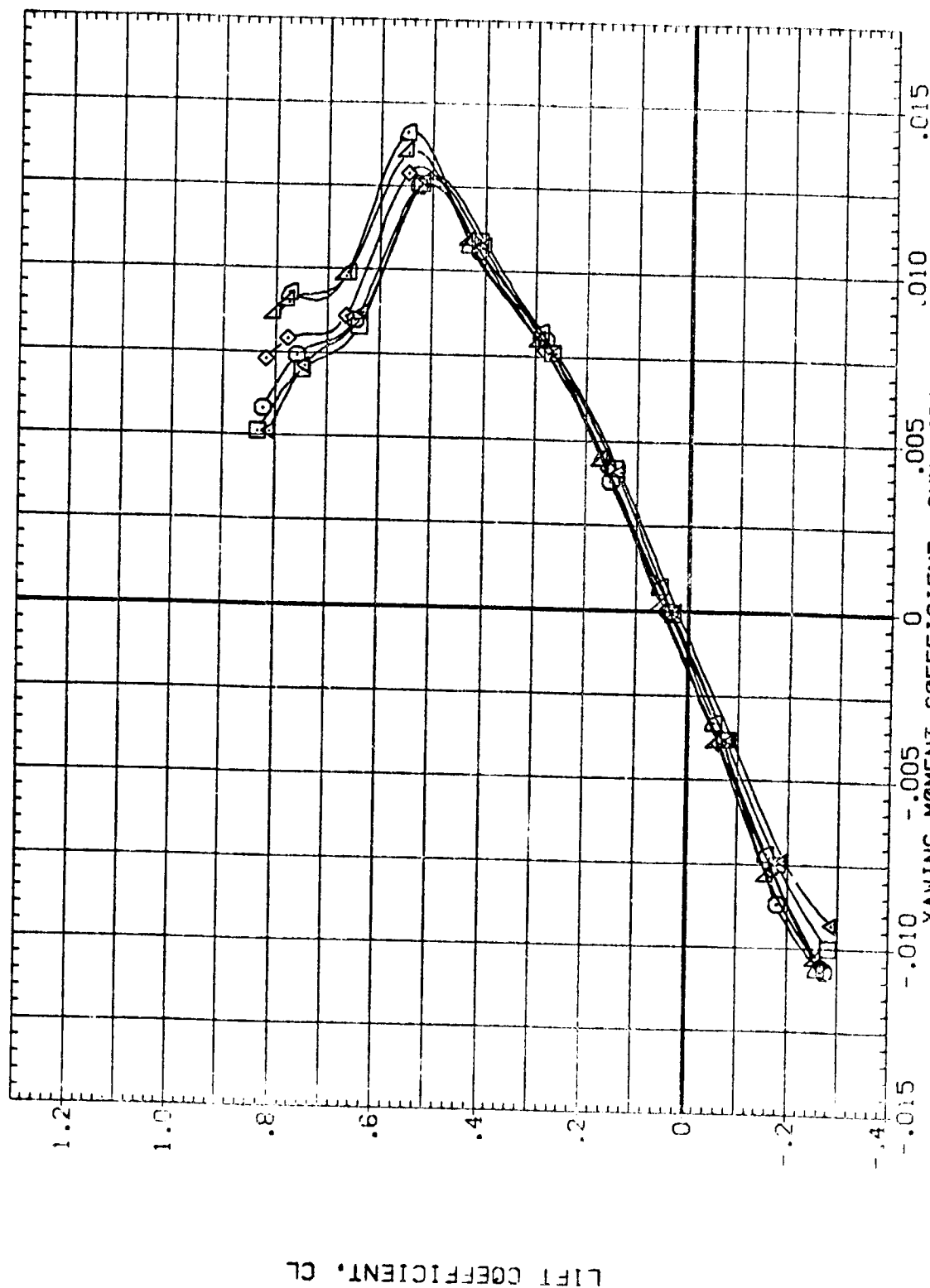


FIG. 4 AERODYNAMIC CHAF. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(GMACH = 1.30

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)  
(BAG080)  
(BAG074)  
(BAG046)  
(BAG042)  
(ZAG055)

V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

AIL-L AIL-R FSRIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000  
-14.300 .000 .000

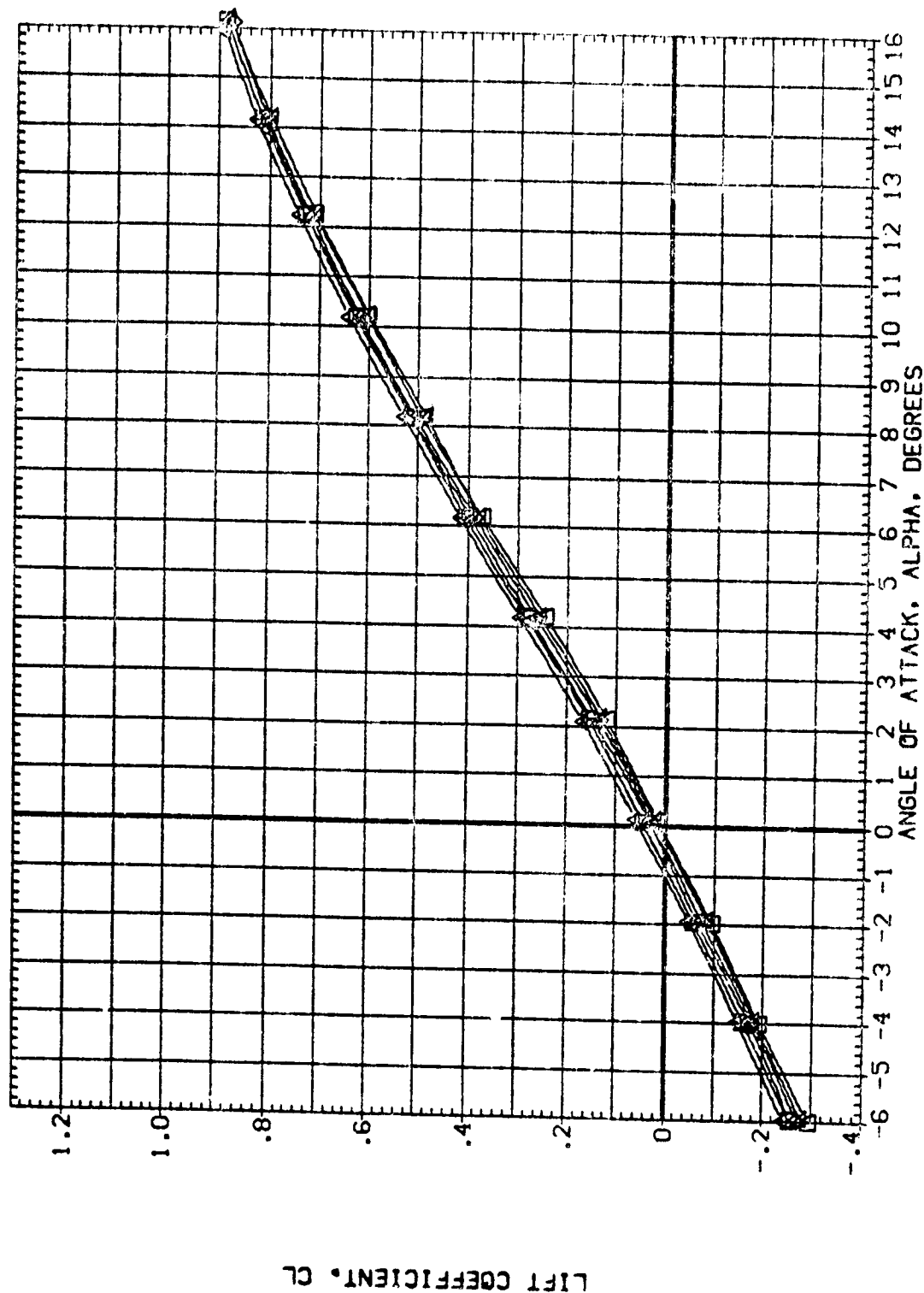


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP -90.0 DEG.

(M)MACH = 1.40

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG015) VS B2 T  
 (BAG093) VS B2 T  
 (BAG077) VS B2 T  
 (SAC038) VS B2 T  
 (BAG034) VS B2 T  
 (ZAG097) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.600 .000  
 .000 14.000 .000

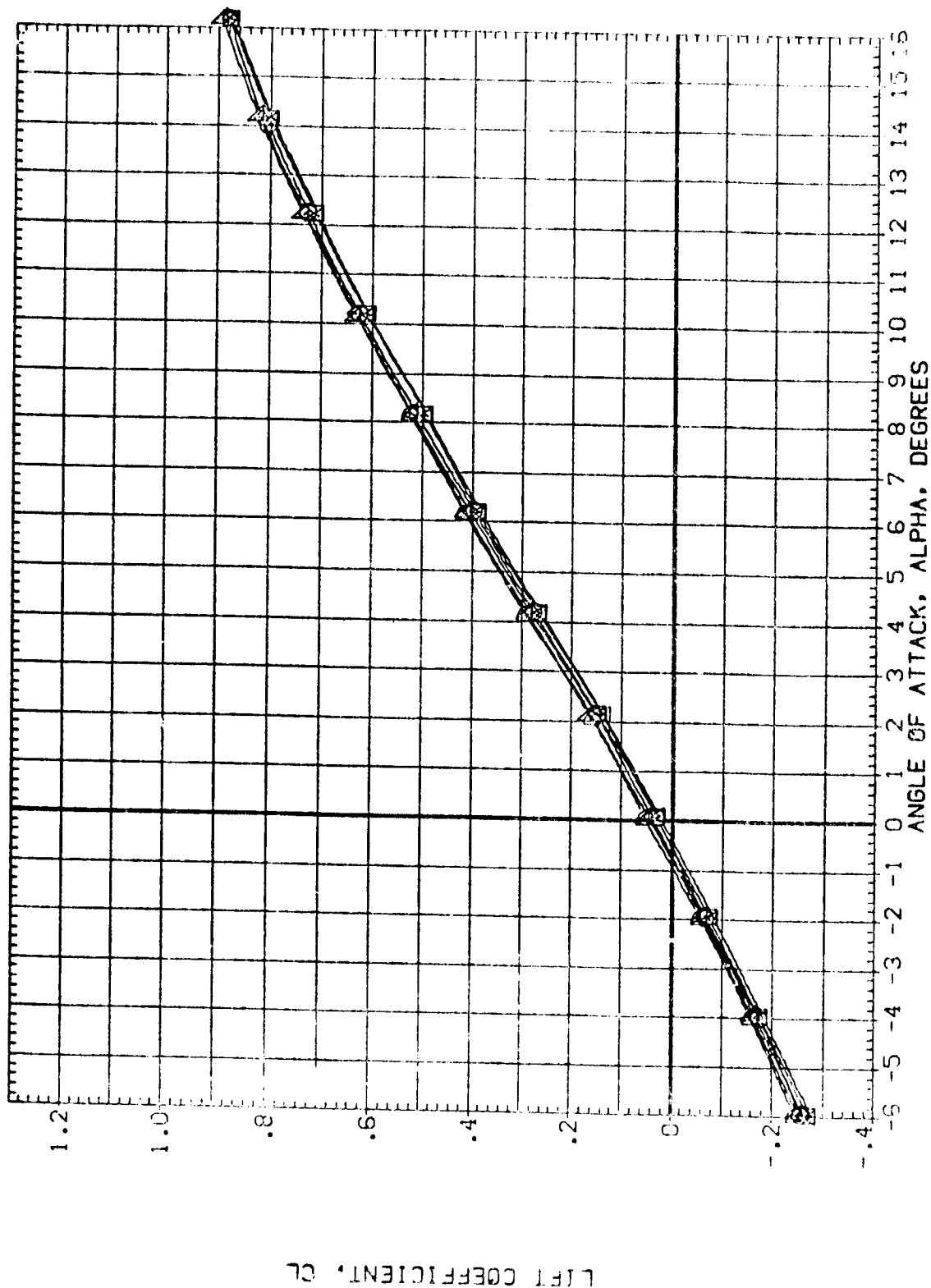


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(CH)MACH = 1.40

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 T	.000	.000	.000
(BAG080)	V5 B2 T	5.000	.000	.000
(BAG074)	V5 B2 T	-5.000	.000	.000
(BAG046)	V5 B2 T	10.100	.000	.000
(BAG042)	V5 B2 T	-10.700	.000	.000
(ZAG055)	V5 B2 T	-14.300	.000	.000

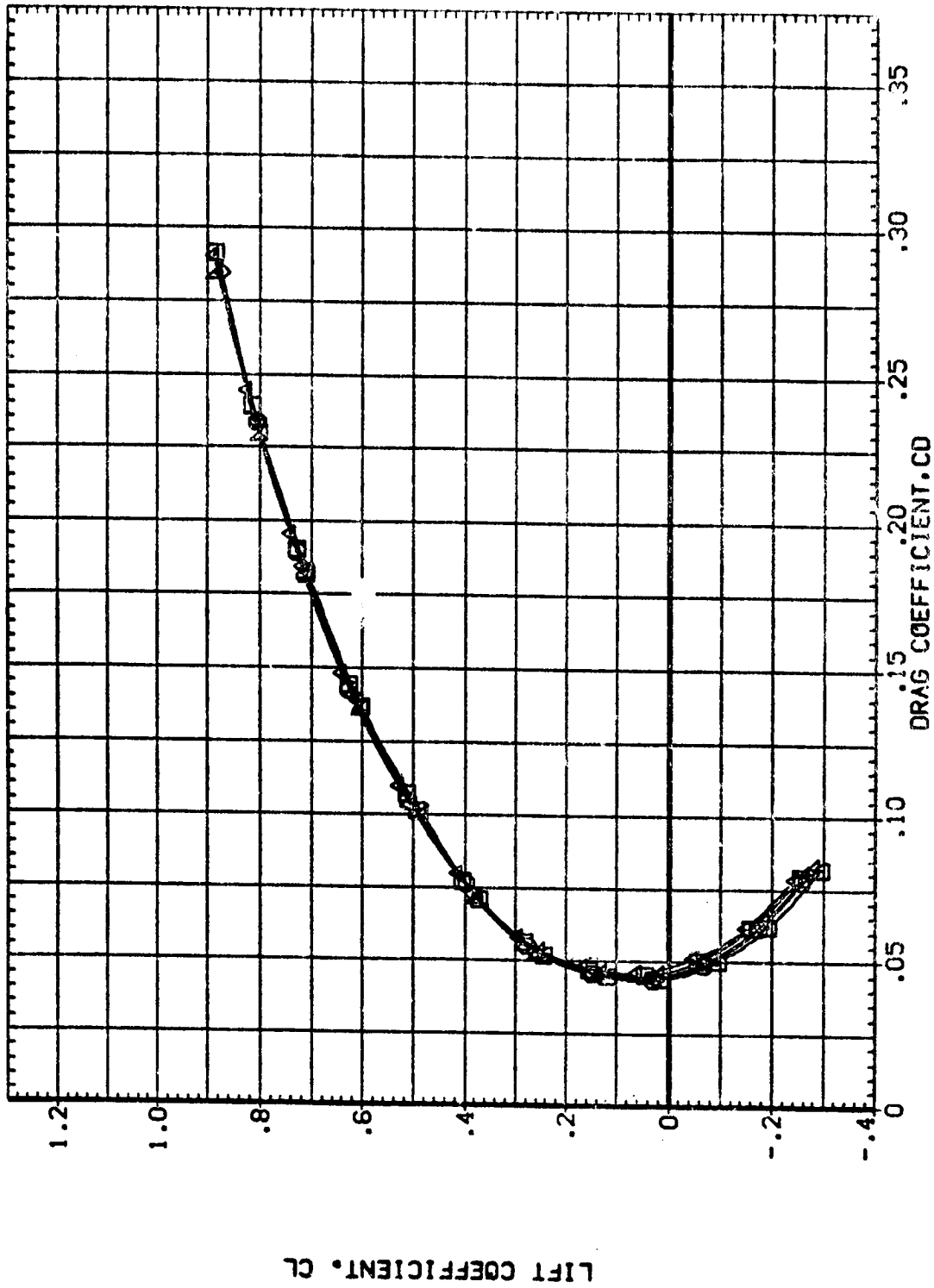


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 50.0 DEG.  
CHMACH = 1.40



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZAG015)	V5 B2 T
(BAG003)	V5 B2 T
(BAG077)	V5 B2 T
(BAG038)	V5 B2 T
(BAG034)	V5 B2 T
(ZAG007)	V5 B2 T

AIL-L	AIL-R	HORIZT
.000	.000	.000
.000	-5.000	.000
.000	5.000	.000
.000	-10.000	.000
.000	10.000	.000
.000	14.000	.000

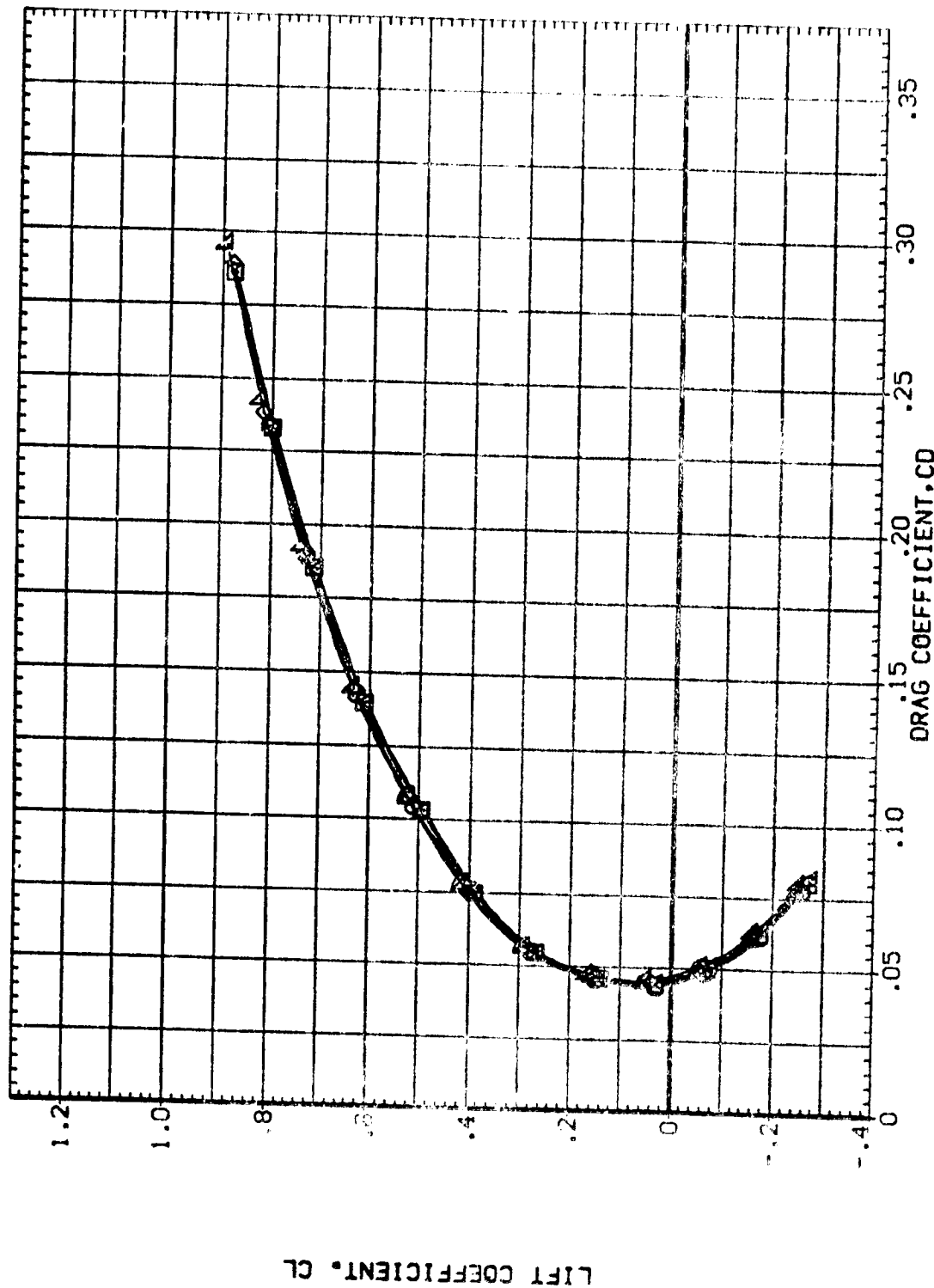


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 (M)MACH = 1.40

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	VS B2 T	.000	.000	.000
(BAG080)	VS B2 T	.000	.000	.000
(BAG074)	VS B2 T	.000	.000	.000
(BAG046)	VS B2 T	.000	.000	.000
(BAG042)	VS B2 T	.000	.000	.000
(ZAG095)	VS B2 T	.000	.000	.000

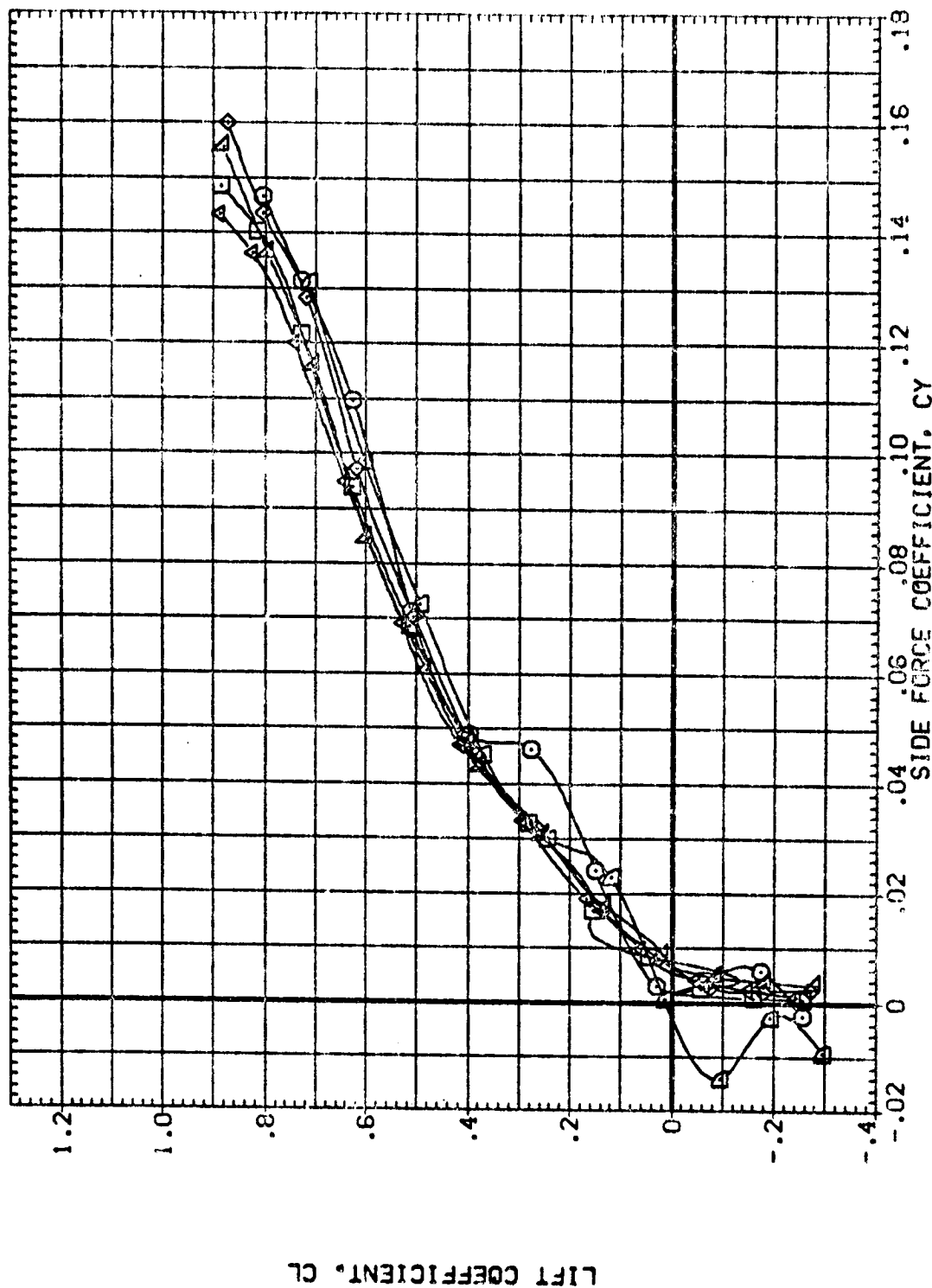


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(M)MACH = 1.40

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
1	V5 B2 T	
2	V5 B2 T	
3	V5 B2 T	
4	V5 B2 T	
5	V5 B2 T	
6	V5 B2 T	
7	V5 B2 T	
8	V5 B2 T	
9	V5 B2 T	
10	V5 B2 T	
11	V5 B2 T	
12	V5 B2 T	
13	V5 B2 T	
14	V5 B2 T	
15	V5 B2 T	
16	V5 B2 T	
17	V5 B2 T	
18	V5 B2 T	
19	V5 B2 T	
20	V5 B2 T	
21	V5 B2 T	
22	V5 B2 T	
23	V5 B2 T	
24	V5 B2 T	
25	V5 B2 T	
26	V5 B2 T	
27	V5 B2 T	
28	V5 B2 T	
29	V5 B2 T	
30	V5 B2 T	
31	V5 B2 T	
32	V5 B2 T	
33	V5 B2 T	
34	V5 B2 T	
35	V5 B2 T	
36	V5 B2 T	
37	V5 B2 T	
38	V5 B2 T	
39	V5 B2 T	
40	V5 B2 T	
41	V5 B2 T	
42	V5 B2 T	
43	V5 B2 T	
44	V5 B2 T	
45	V5 B2 T	
46	V5 B2 T	
47	V5 B2 T	
48	V5 B2 T	
49	V5 B2 T	
50	V5 B2 T	
51	V5 B2 T	
52	V5 B2 T	
53	V5 B2 T	
54	V5 B2 T	
55	V5 B2 T	
56	V5 B2 T	
57	V5 B2 T	
58	V5 B2 T	
59	V5 B2 T	
60	V5 B2 T	
61	V5 B2 T	
62	V5 B2 T	
63	V5 B2 T	
64	V5 B2 T	
65	V5 B2 T	
66	V5 B2 T	
67	V5 B2 T	
68	V5 B2 T	
69	V5 B2 T	
70	V5 B2 T	
71	V5 B2 T	
72	V5 B2 T	
73	V5 B2 T	
74	V5 B2 T	
75	V5 B2 T	
76	V5 B2 T	
77	V5 B2 T	
78	V5 B2 T	
79	V5 B2 T	
80	V5 B2 T	
81	V5 B2 T	
82	V5 B2 T	
83	V5 B2 T	
84	V5 B2 T	
85	V5 B2 T	
86	V5 B2 T	
87	V5 B2 T	
88	V5 B2 T	
89	V5 B2 T	
90	V5 B2 T	
91	V5 B2 T	
92	V5 B2 T	
93	V5 B2 T	
94	V5 B2 T	
95	V5 B2 T	
96	V5 B2 T	
97	V5 B2 T	
98	V5 B2 T	
99	V5 B2 T	
100	V5 B2 T	

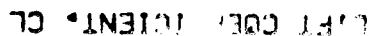


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AIL-L	AIL-R	HORIZT
(ZAG115)	V5 B2 T	.000	.000	.000
(BAG080)	V5 B2 T	5.000	.000	.000
(BAG074)	V5 B2 T	-5.000	.000	.000
(BAG046)	V5 B2 T	-10.100	.000	.000
(BAG042)	V5 B2 T	-10.700	.000	.000
(ZAG035)	V5 B2 T	-14.300	.700	.000

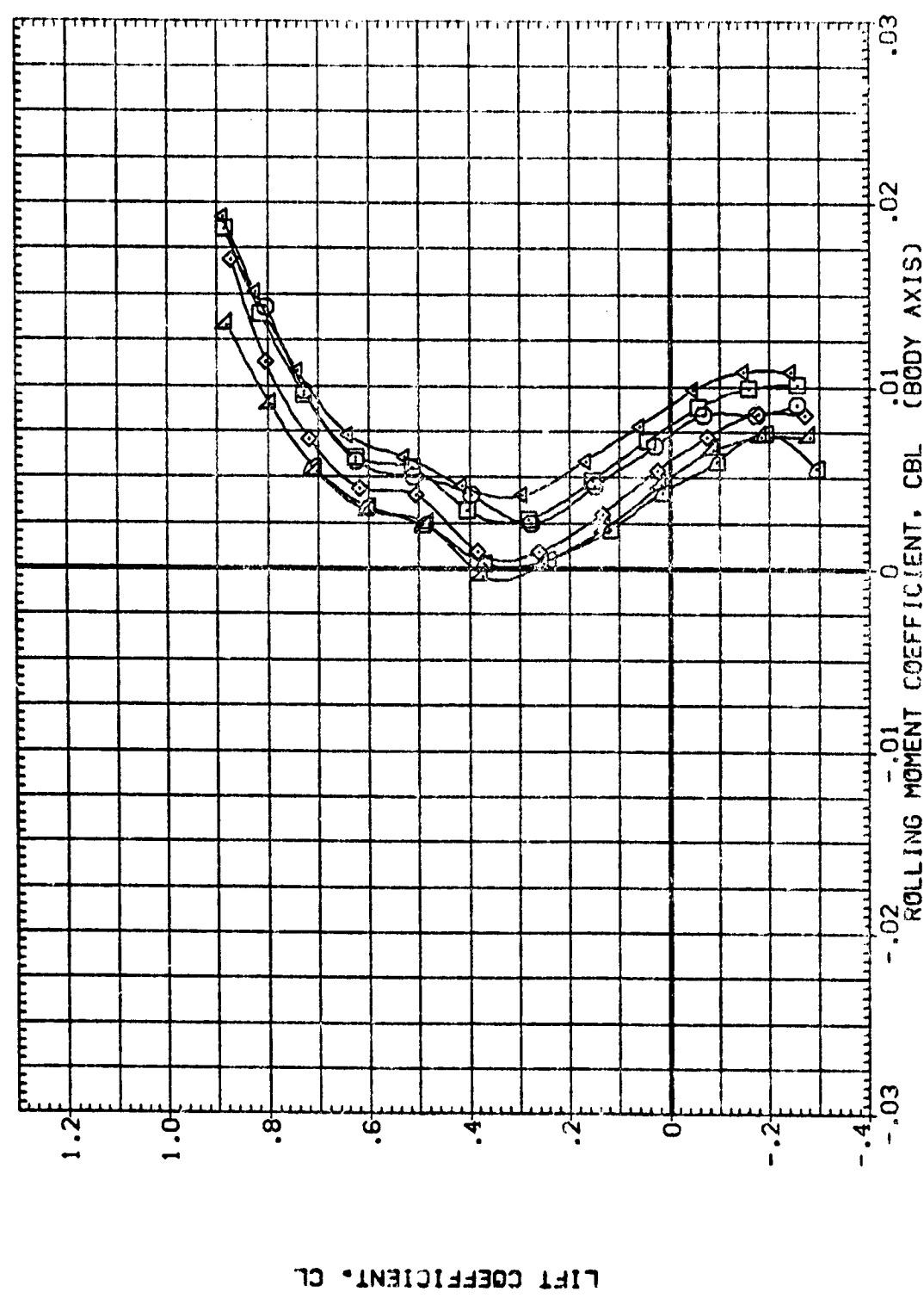
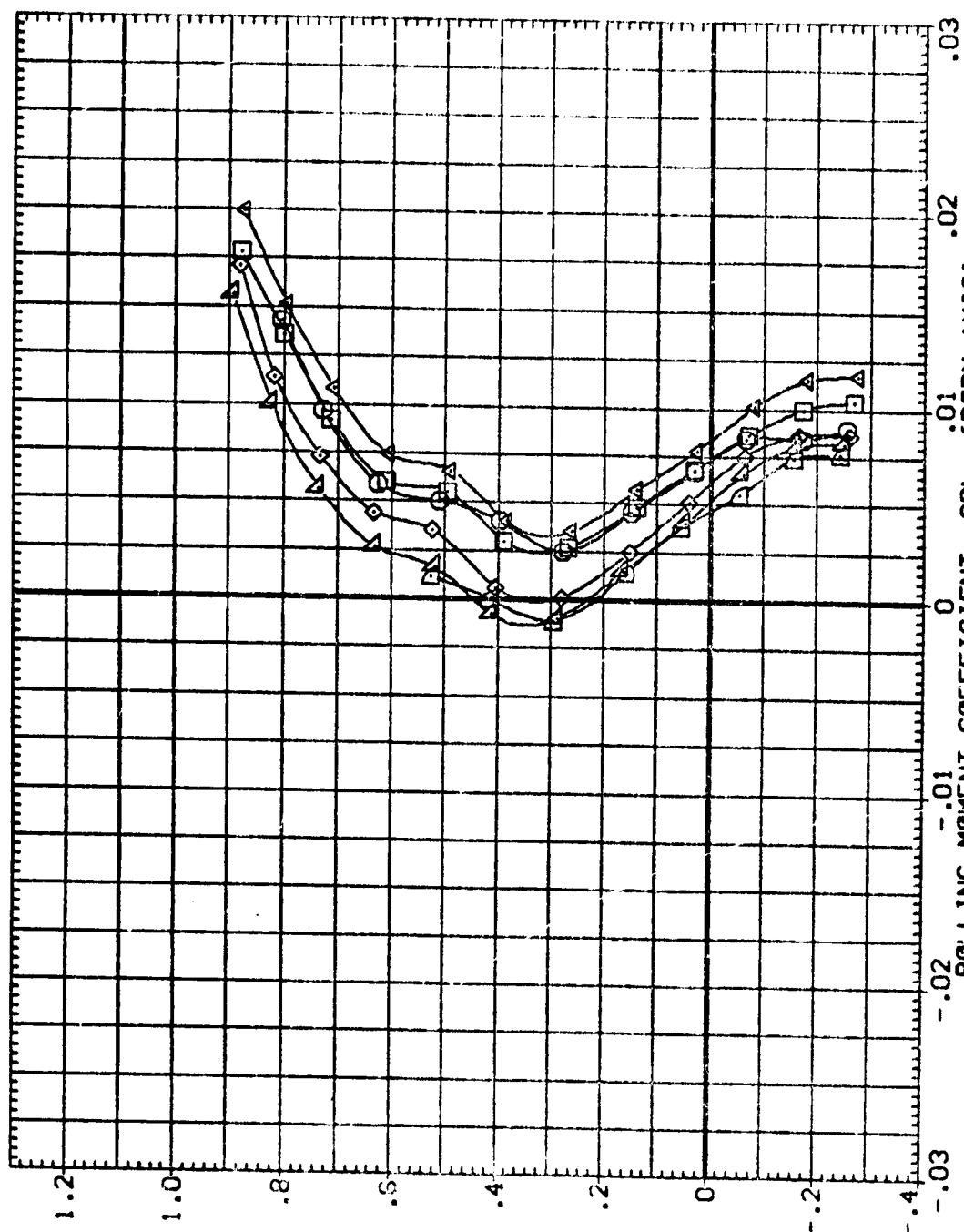


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(M)MACH = 1.40

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (BA0083) V5 B2 T  
 (BA0077) V5 B2 T  
 (BA0038) V5 B2 T  
 (BA0034) V5 B2 T  
 (ZAG097) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 5.000 .000  
 .000 -10.000 .000  
 .000 10.000 .000  
 .000 14.000 .000



LIFT COEFFICIENT, CL

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(M)MACH = 1.40

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZAG115)	V5 B2 T
(BAG060)	V5 B2 T
(BAG074)	V5 B2 T
(BAG046)	V5 B2 T
(BAG042)	V5 B2 T
(ZAG055)	V5 B2 T

AIL-L	AIL-R	HORIZT
.000	.000	.000
5.000	.000	.000
-5.000	.000	.000
10.100	.000	.000
-10.700	.000	.000
-14.300	.000	.000

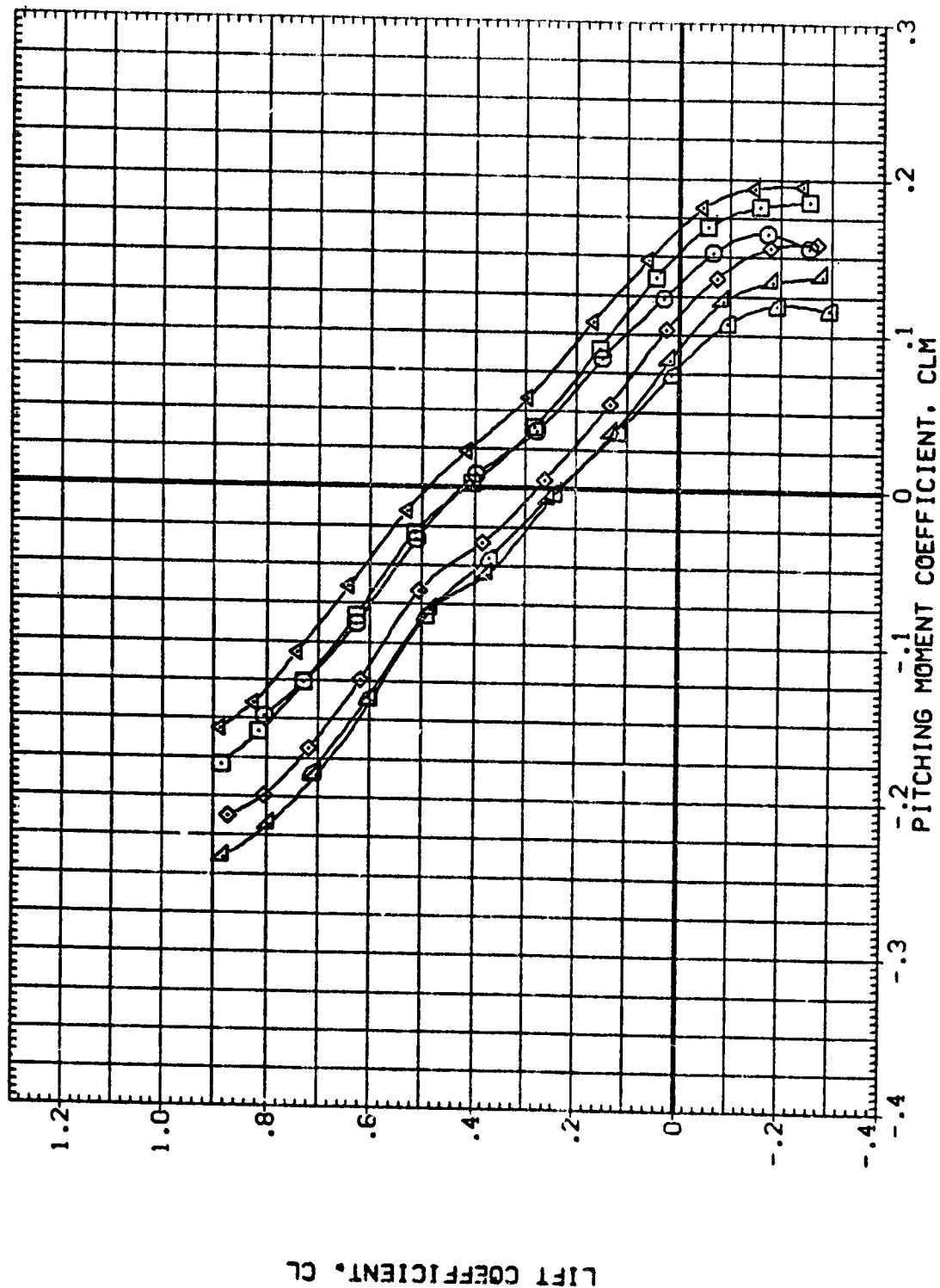


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
(M)MACH = 1.40

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (BAG083) VS B2 T  
 (BAG077) VS B2 T  
 (BAG038) VS B2 T  
 (BAG024) VS B2 T  
 (ZAG057) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 -5.000 .000  
 .000 -5.000 .000  
 .000 -10.000 .000  
 .000 -10.000 .000  
 .000 -14.000 .000

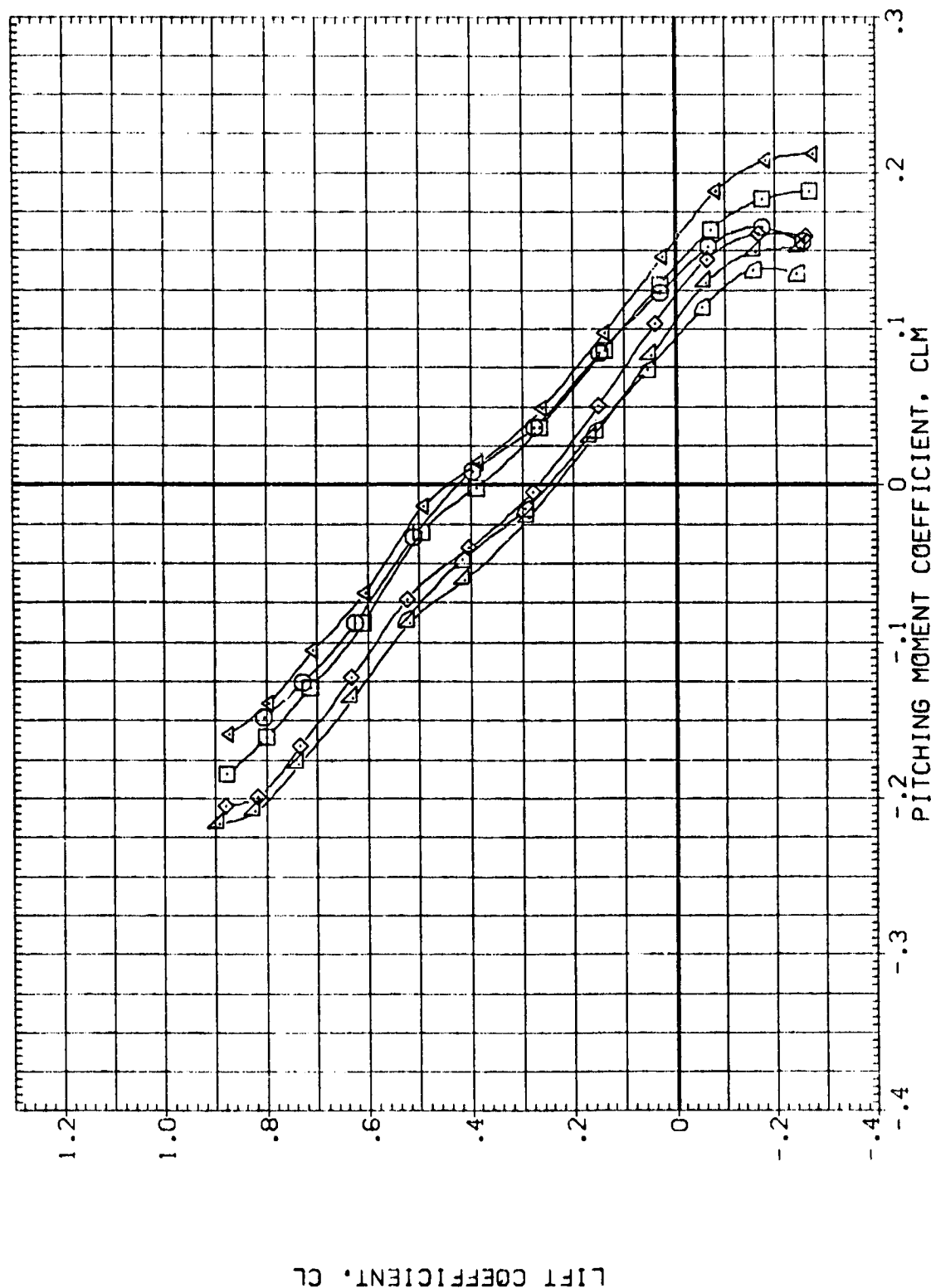


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

(M)MACH = 1.40

AIL-L AIL-R HORIZT  
.000 .000 .000  
5.000 .000 .000  
-5.000 .000 .000  
10.100 .000 .000  
-10.700 .000 .000  
-14.300 .000 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T  
(BA0080) V5 B2 T  
(BA0074) V5 B2 T  
(BA0046) V5 B2 T  
(BA0042) V5 B2 T  
(ZAG095) V5 B2 T

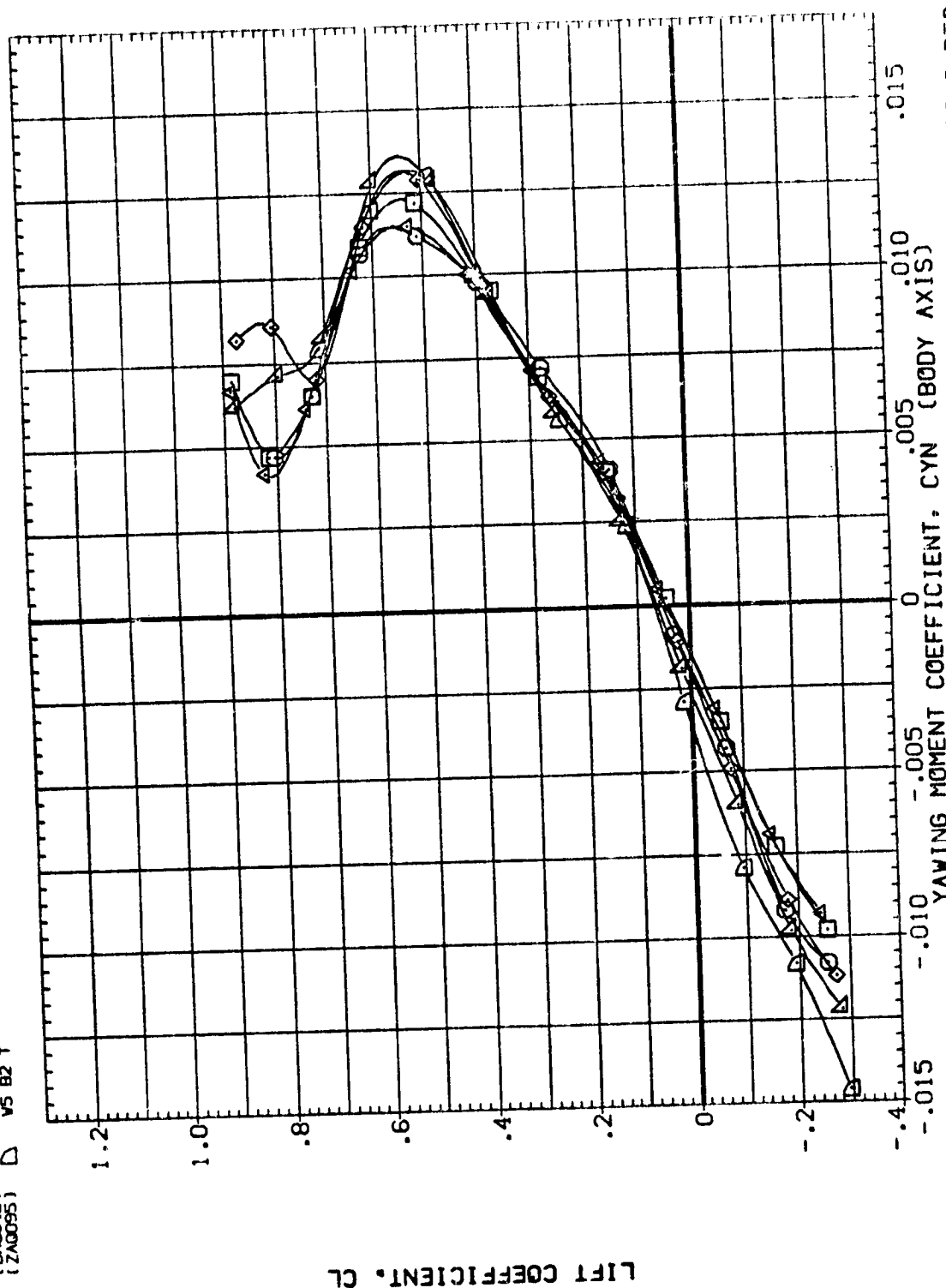


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.

CHDMACH = 1.40



DAT SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG 15) V5 B2 T  
 (BA 153) V5 B2 T  
 (BAQJ77) V5 B2 T  
 (BAQJ36) V5 B2 T  
 (BAQJ34) V5 B2 T  
 (ZAG097) V5 B2 T

AIL-L AIL-R HOR1ZT  
 .000 .000 .000  
 -5.000 .000 .000  
 5.000 .000 .000  
 -10.000 .000 .000  
 10.000 .000 .000  
 14.000 .000 .000

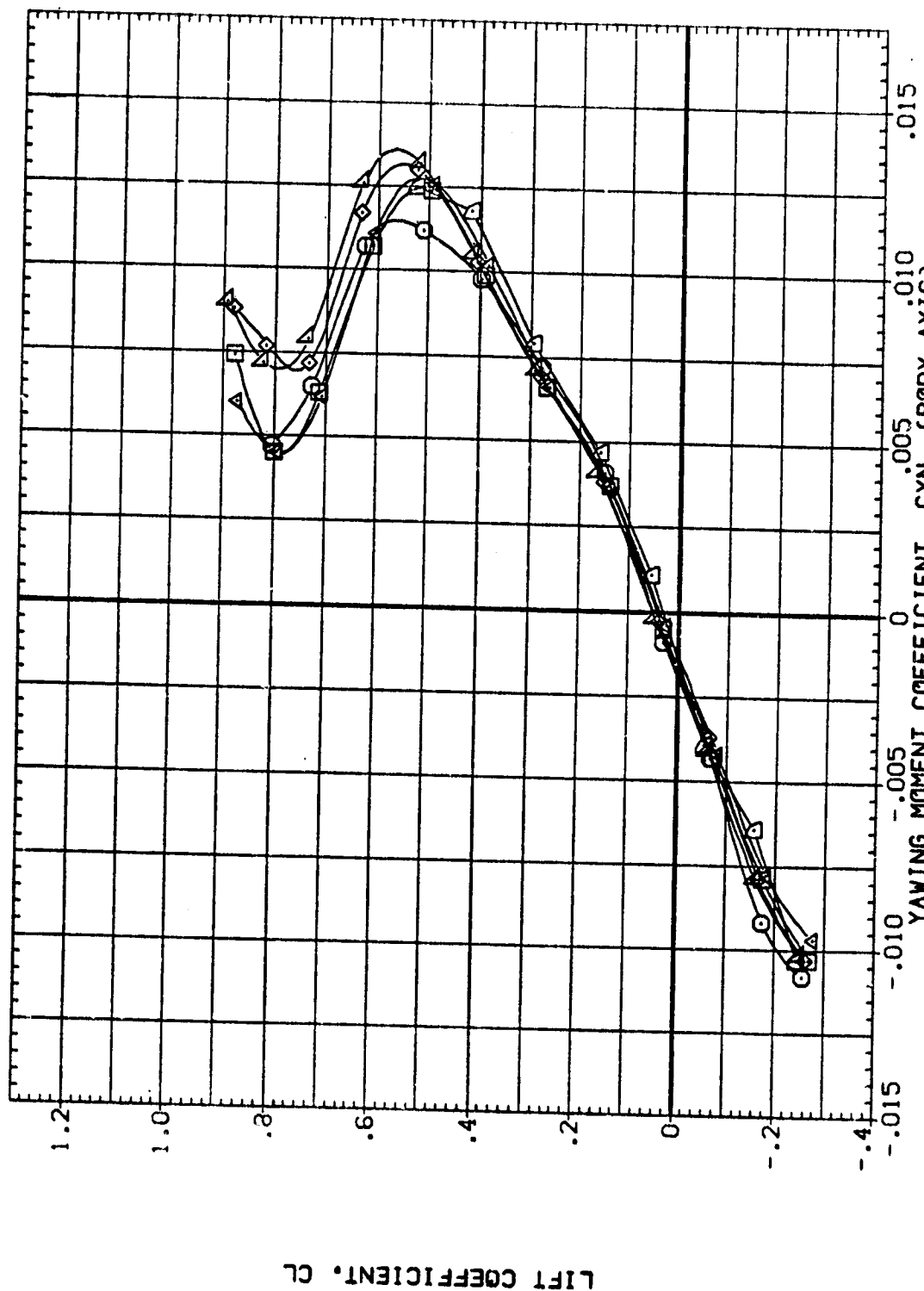


FIG. 4 AERODYNAMIC CHAR. IN PITCH, EFFECT OF AILERON DEFLECT., SWEEP = 60.0 DEG.  
 CHMACH = 1.40

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (GA0127) V5 B2 T  
 (GA0129) V5 B2 T  
 (GA0125) V5 B2 T

LAMBDA  
 .000  
 45.000  
 60.000

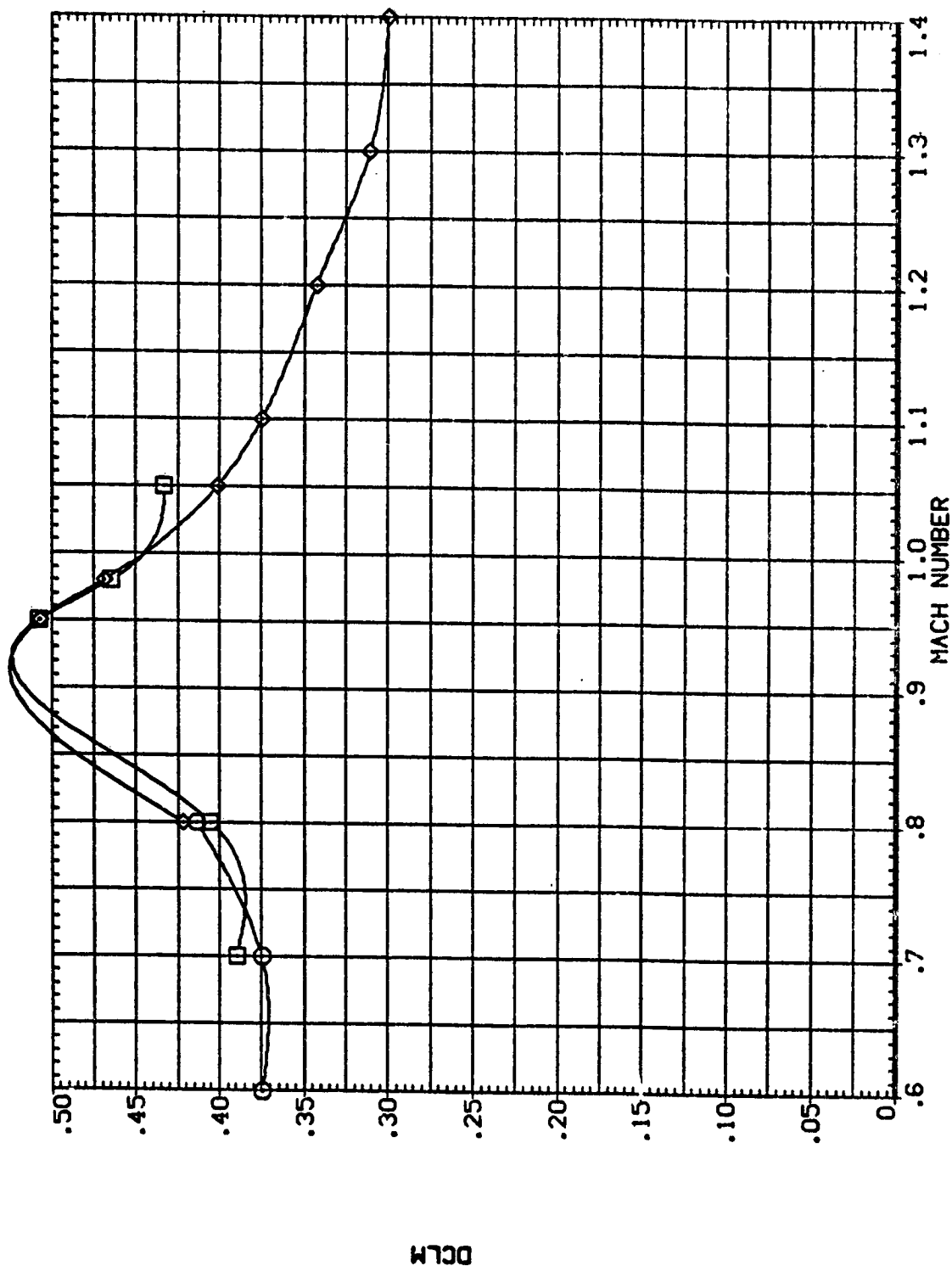


FIG. 5 INCREMENTAL PITCHING MOMENT FROM -5 DEG. HORIZ. TAIL DEFLECTION,  $CL=0.3$   
 (A)CL = .30

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0118) V5 B2 T  
 (ZAG001) V5 B2 T  
 (ZAG127) V5 B2 T

AIR-L AIR-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

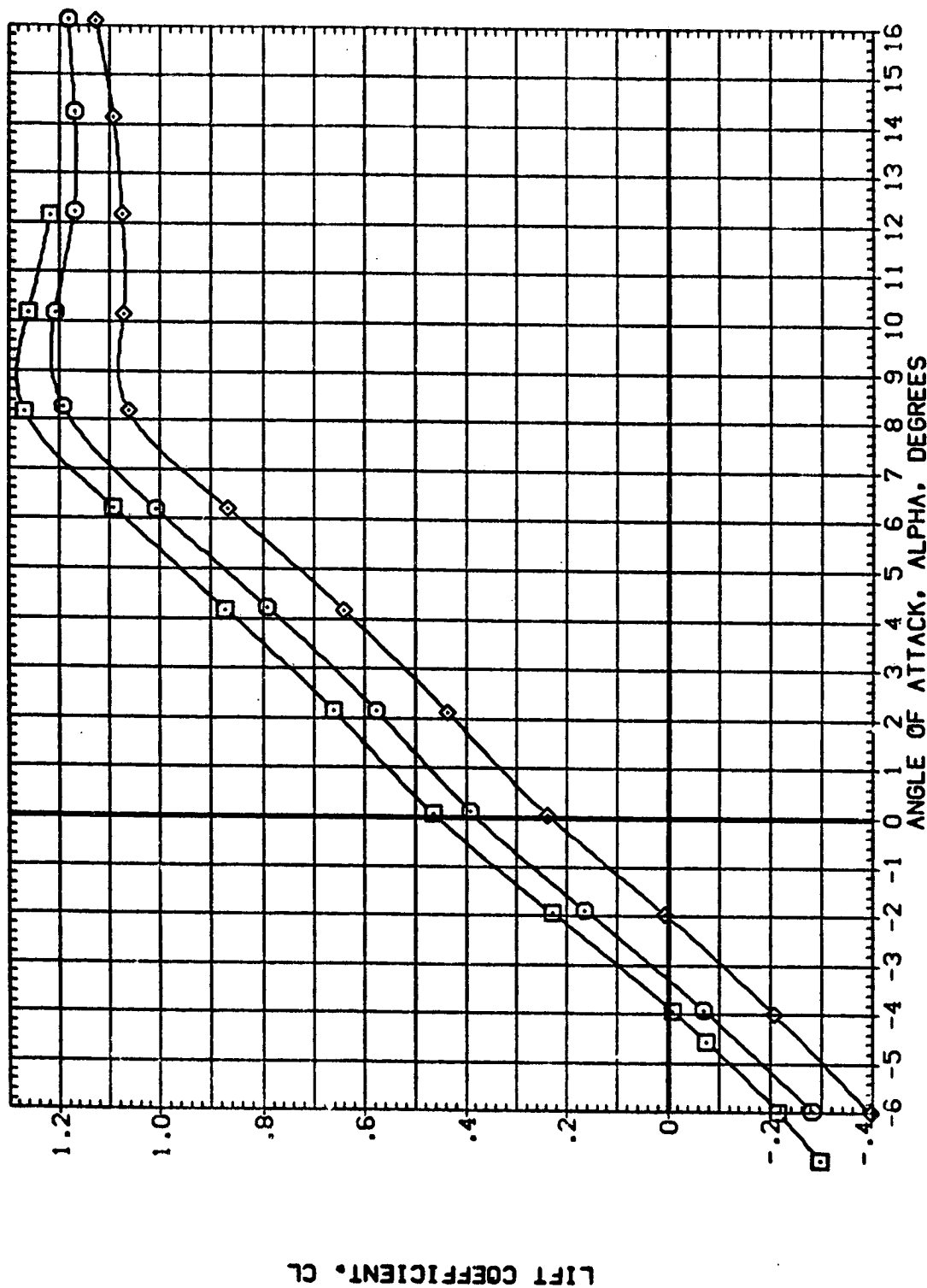


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.

(A)MACH = .60

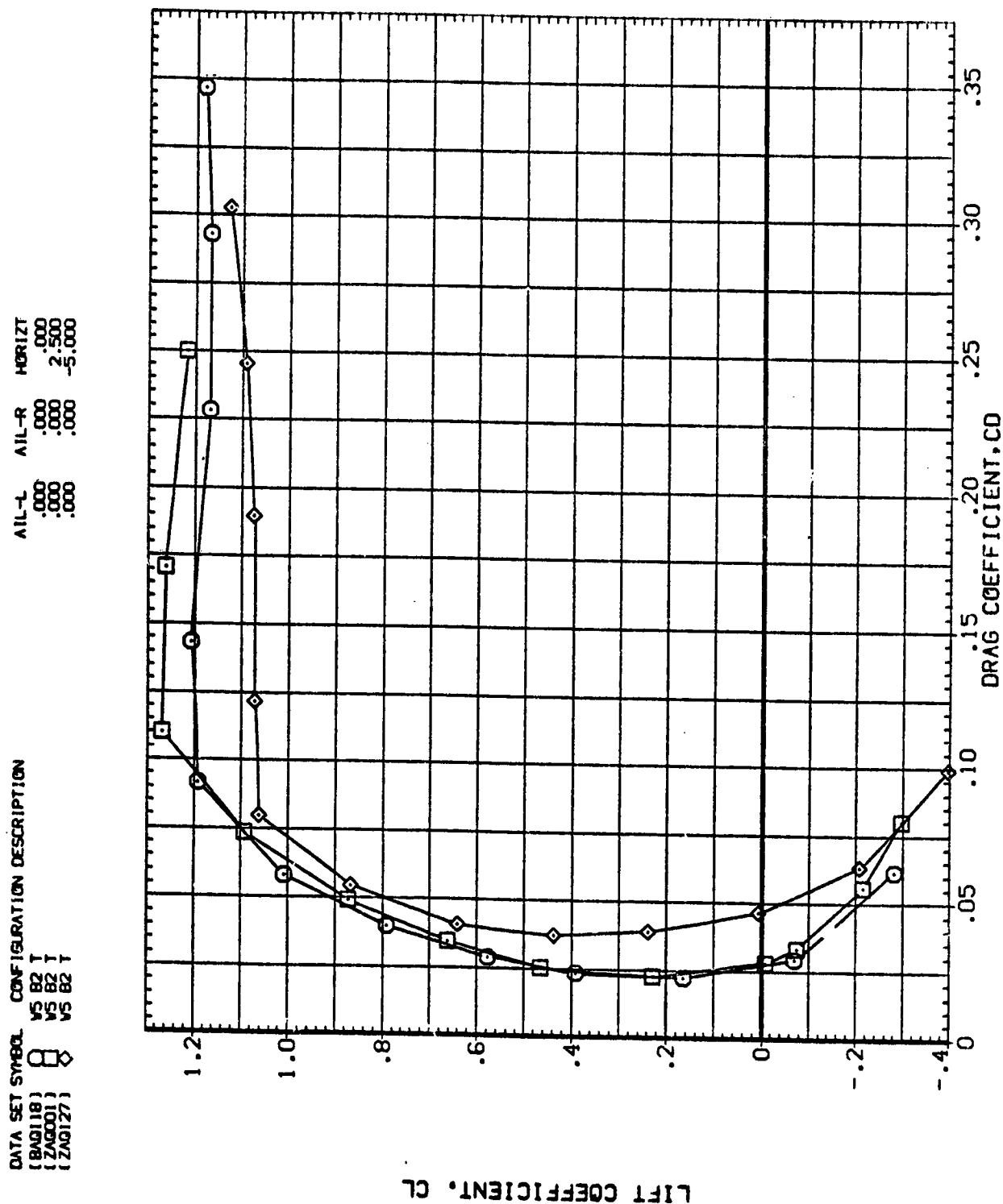


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.  
(A)MACH = .60

DATA SET SYMBOL      CONFIGURATION DESCRIPTION  
 (BA0118)      VS B2 T  
 (ZAD001)      VS B2 T  
 (ZAD127)      VS B2 T

AIL-L      AIL-R      HORIZT  
 .000      .000      .000  
 .000      .000      2.500  
 .000      .000      -5.000

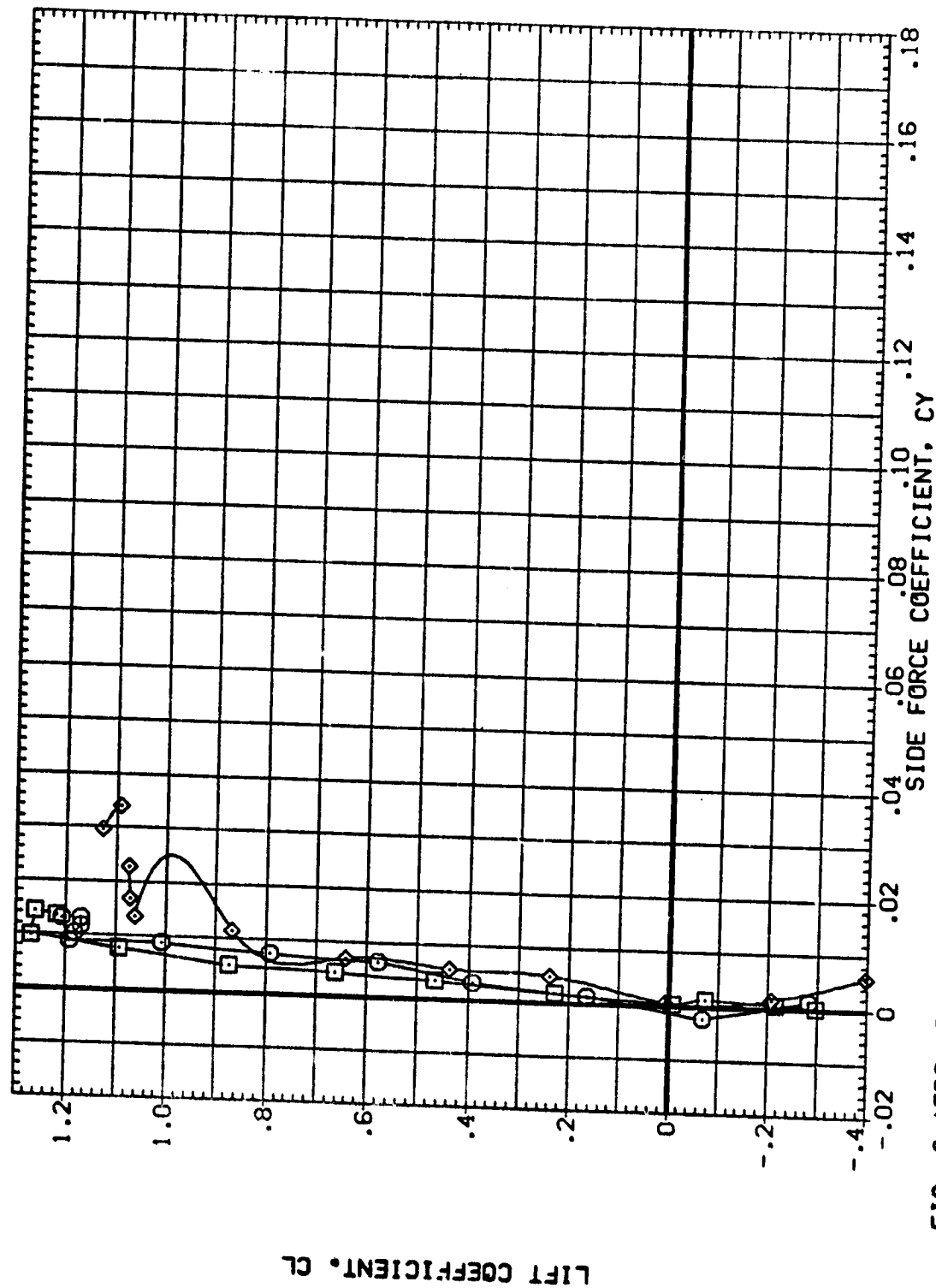


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.  
 (A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG118) VS B2 T  
 (ZAG001) VS B2 T  
 (ZAG127) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

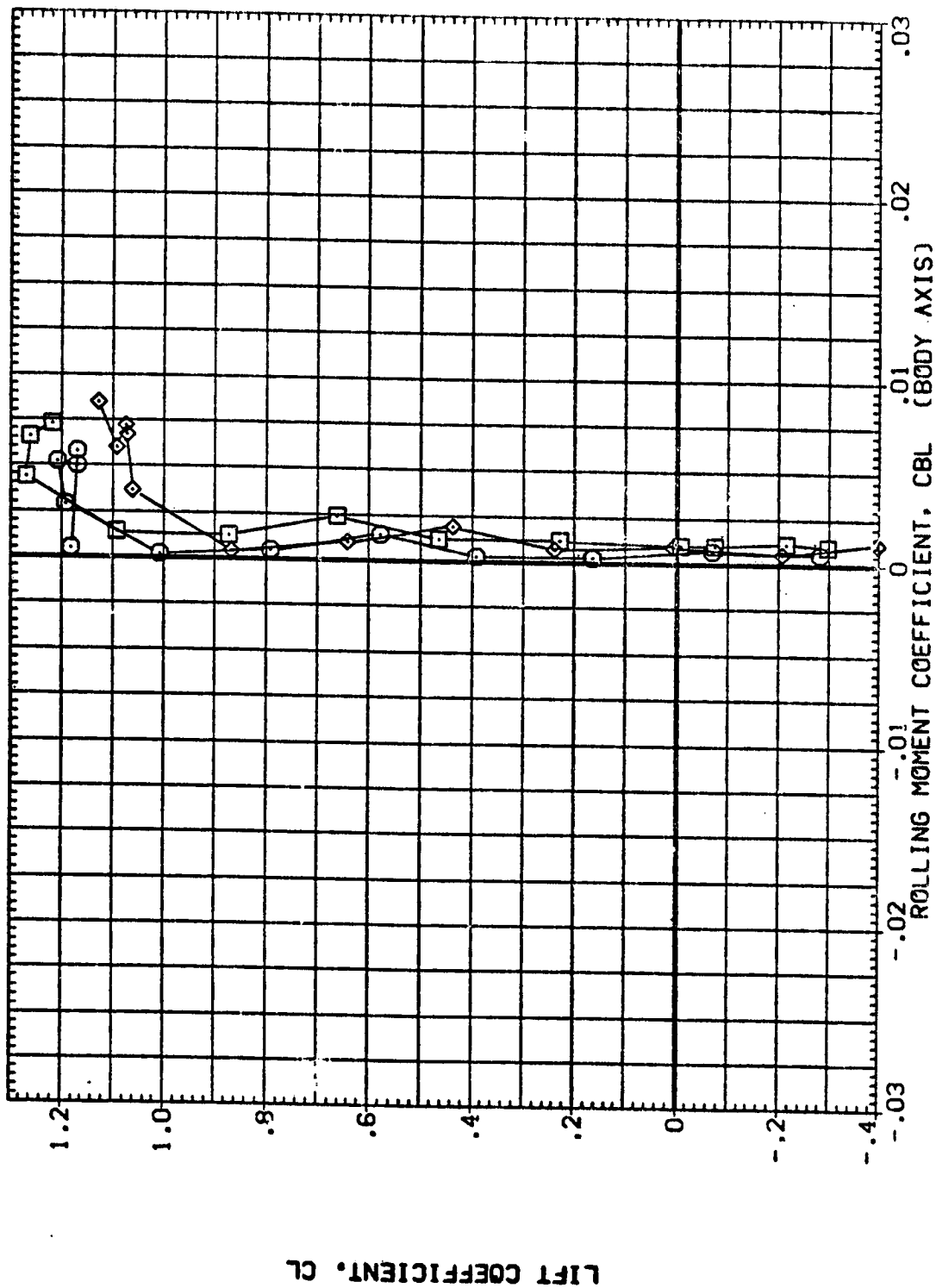


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.

(A)MACH = .60

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (BAG118)    VS B2 T  
 (ZAG001)    VS B2 T  
 (ZAG127)    VS B2 T

AIL-L    AIL-R    HORIZT  
 .000    .000    .000  
 .000    .000    2.500  
 .000    .000    -5.000

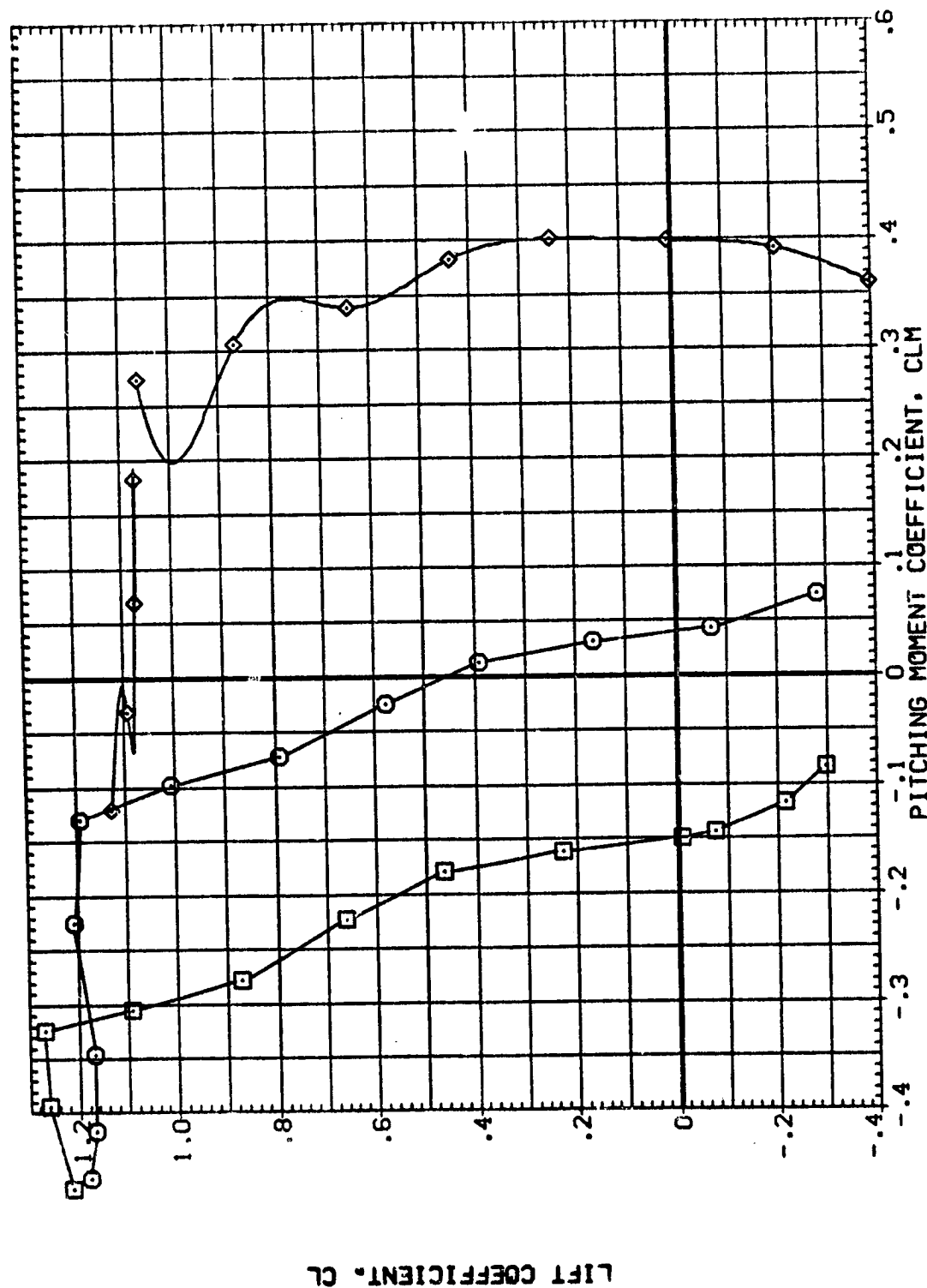
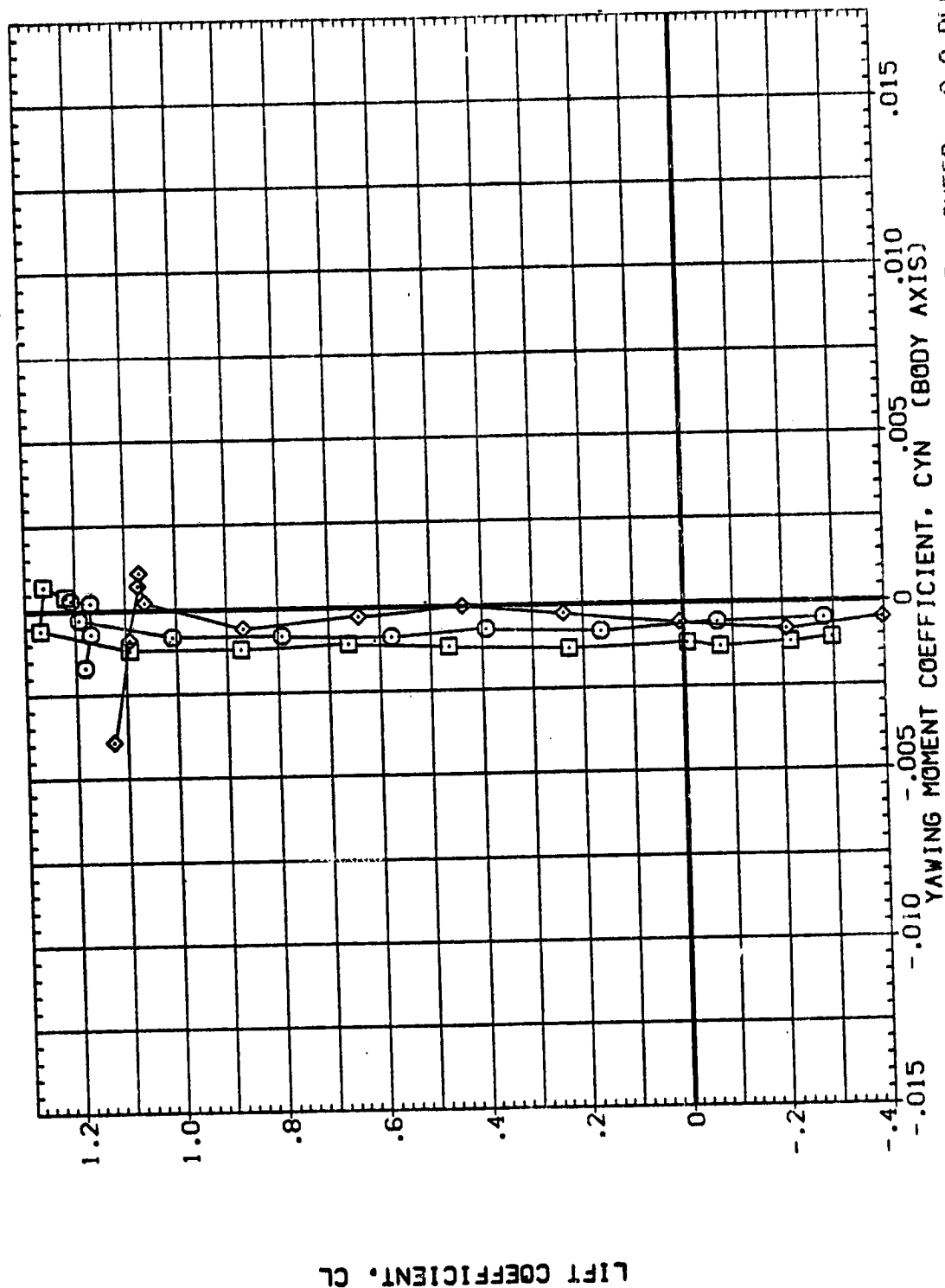


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.

(MACH = .60

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 VS B2 I  
 VS B2 I  
 VS B2 I  
 VS B2 I



LIFT COEFFICIENT, CL

FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.

(A)MACH = .60



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0118) VS 82 I  
 (ZAG001) VS 82 I  
 (ZAG127) VS 82 I

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

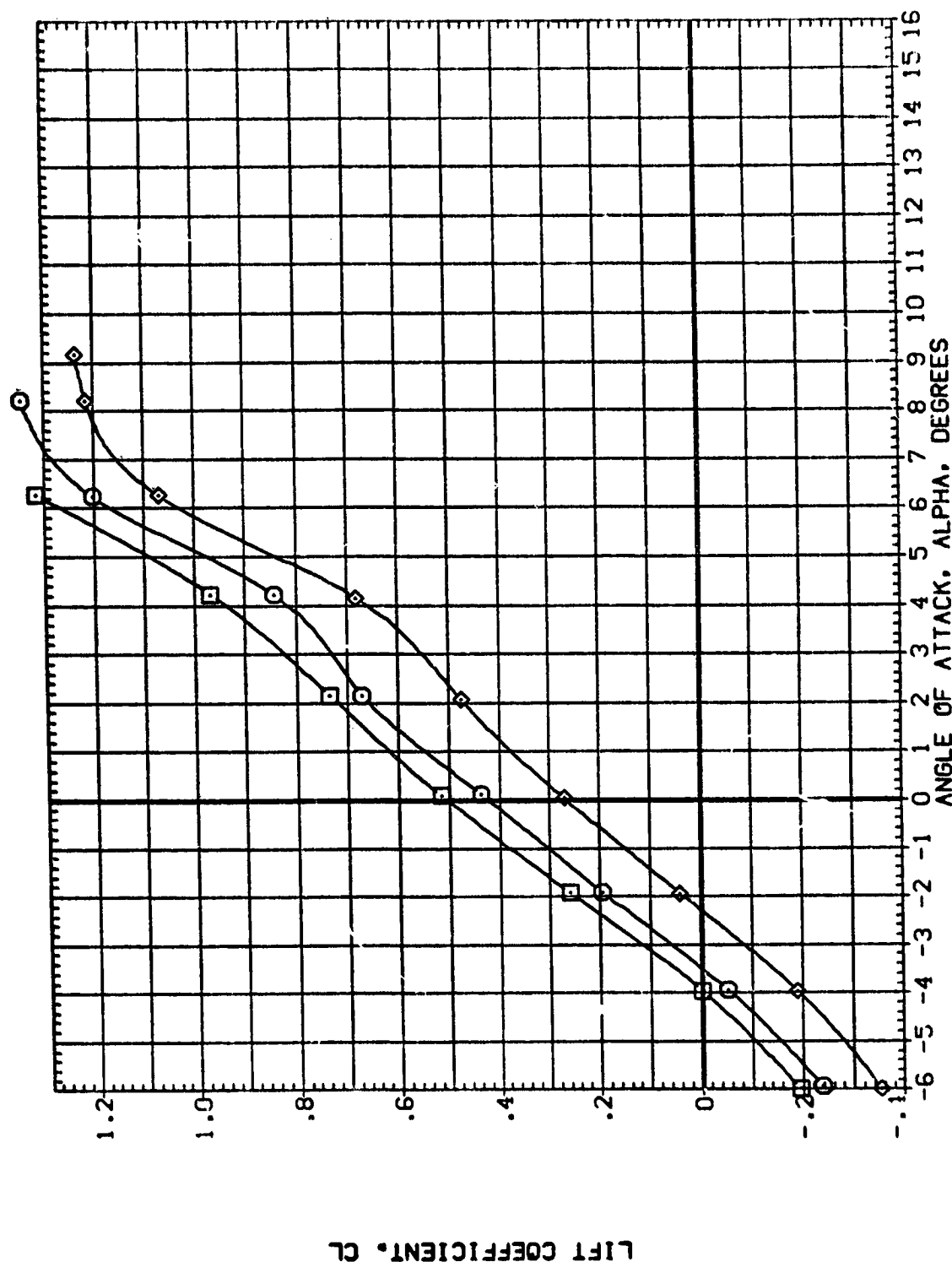


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.  
 (B)MACH = .70

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG118) VS B2 I  
 (ZAG001) VS B2 I  
 (ZAG127) VS B2 I

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

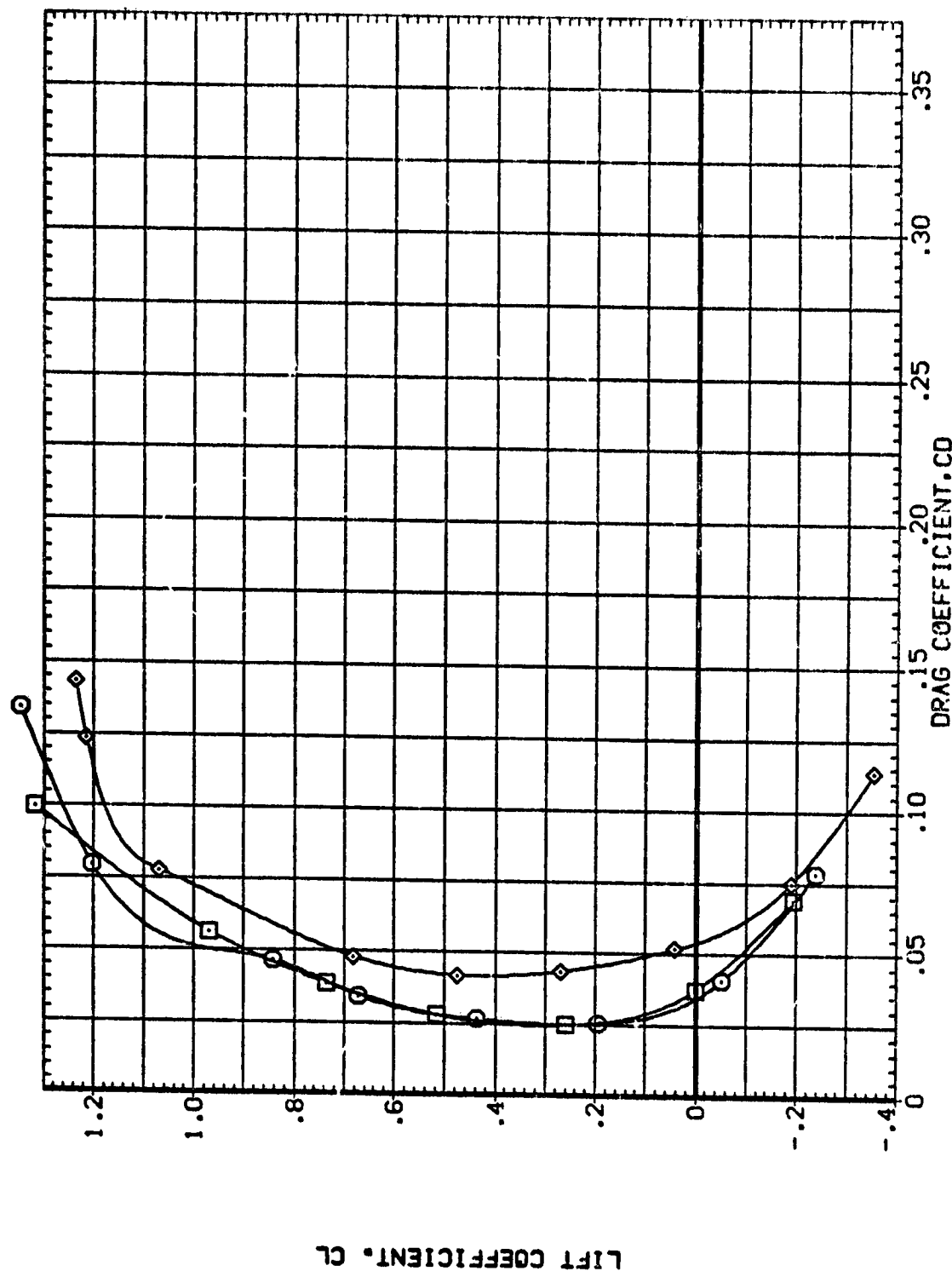


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.  
 (B)MACH = .70

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG118) VS B2 T  
 (ZAG001) VS B2 T  
 (ZAG127) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

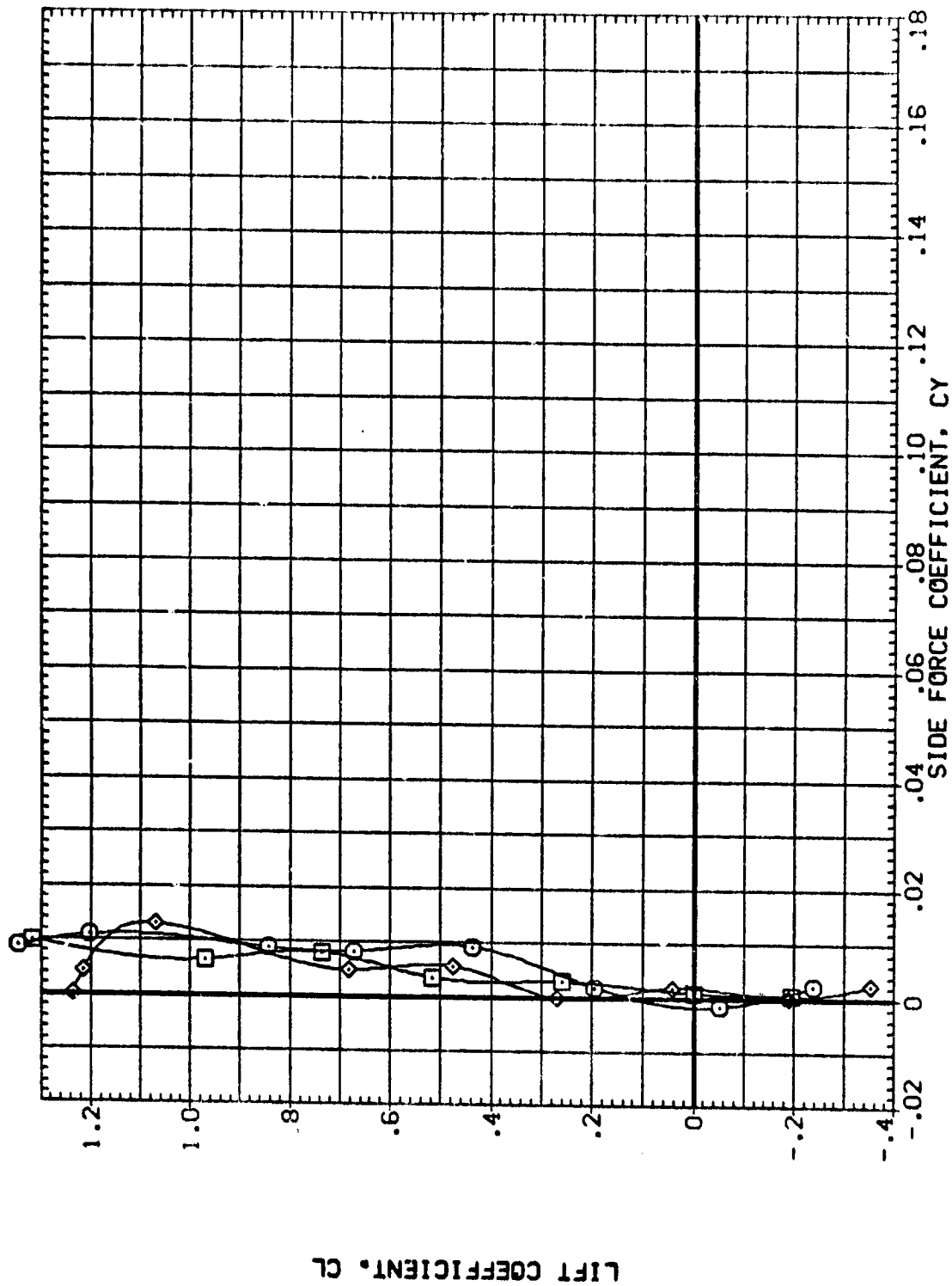


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.

(B)MACH = .70

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AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(BA0118) VS B2 I  
(ZAG001) VS B2 I  
(ZAG127) VS B2 I

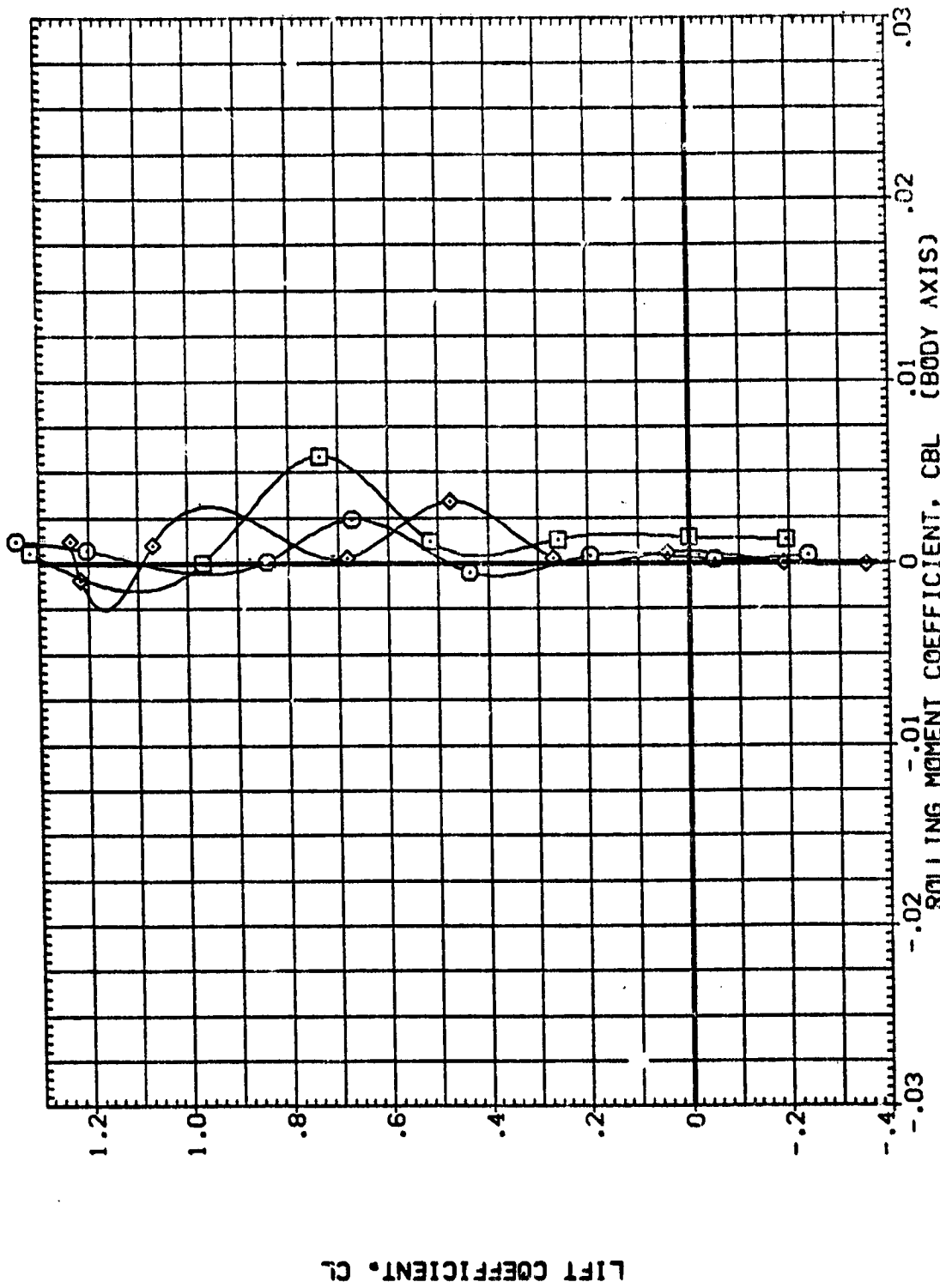


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.3 DEG.  
(B)MACH = .70

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0118) V5 B2 T  
 (ZAG001) V5 B2 T  
 (ZAG127) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

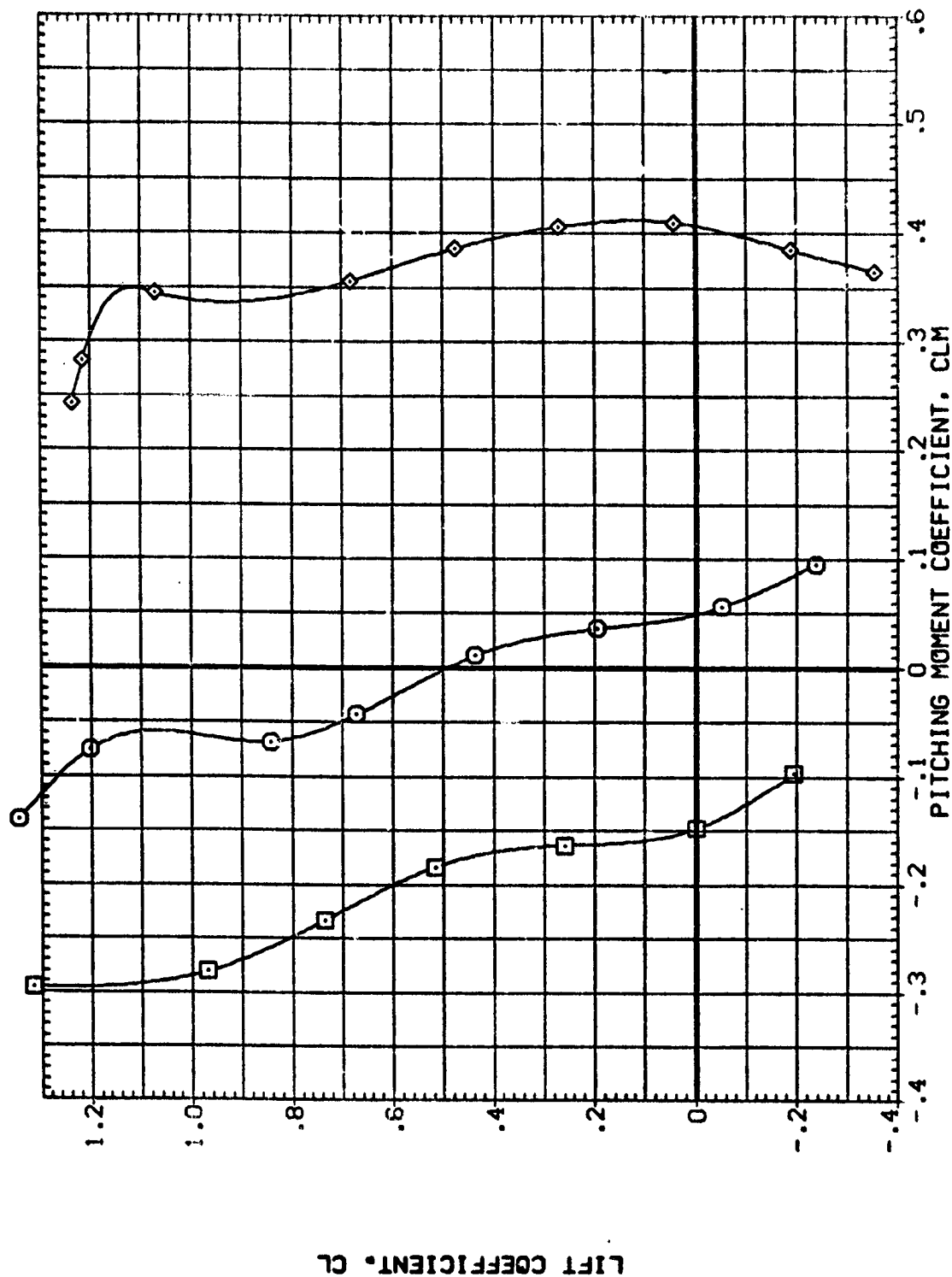


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.  
 (B)MACH = .70

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (BAG118)    V5 B2 T  
 (ZAG001)    V5 B2 T  
 (ZAG127)    V5 B2 T

AIL-L    AIL-R    HORIZT  
 .000    .000    .000  
 .000    .000    2.500  
 .000    .000    -5.000

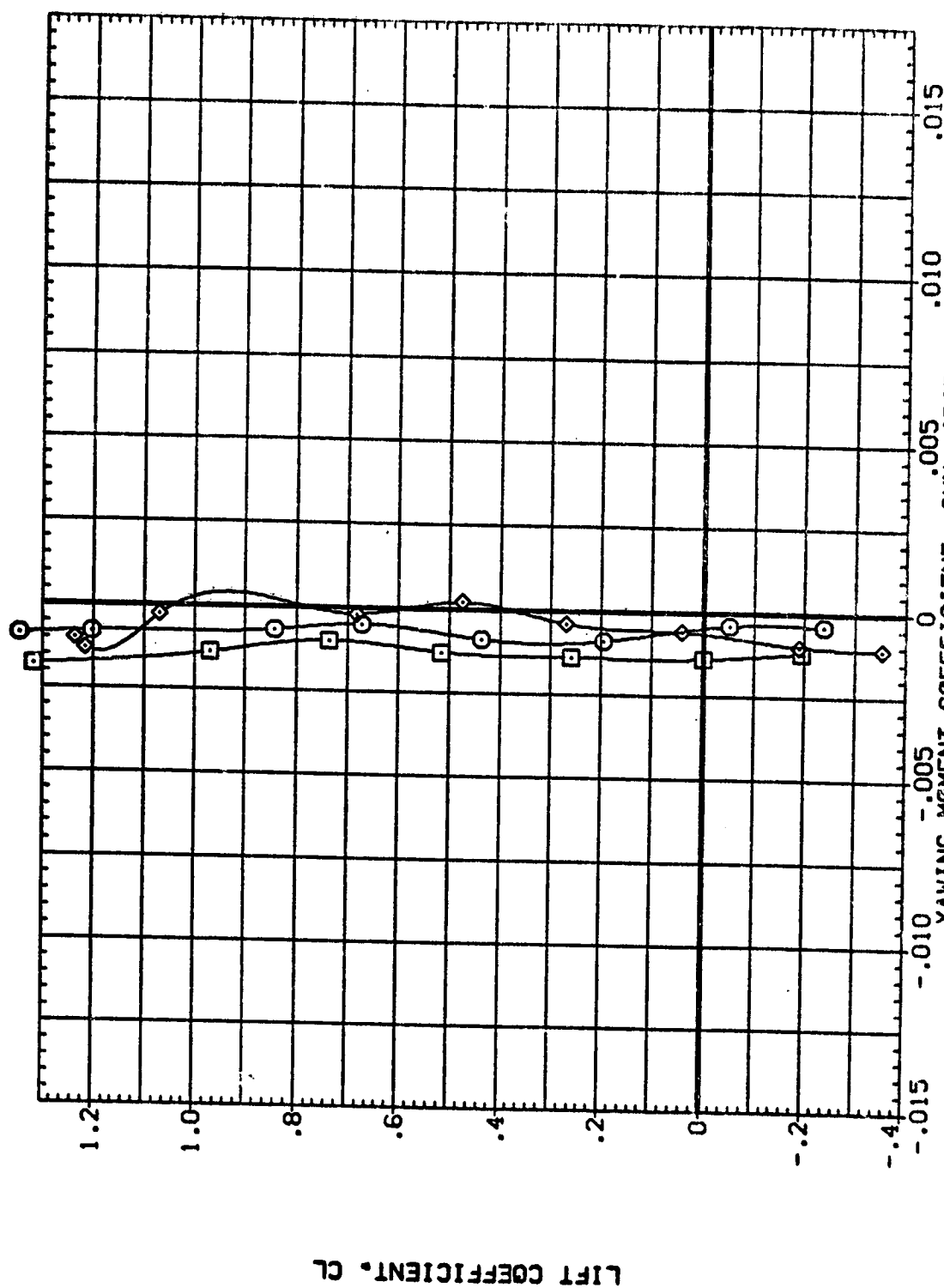


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.  
 (B)MACH = .70

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (BAG118)    VS B2 T  
 (ZAG001)    VS B2 T  
 (ZAG127)    VS B2 T

AIR-L    AIR-R    HORIZT  
 .000    .000    .000  
 .000    .000    2.500  
 .000    .000    -5.000

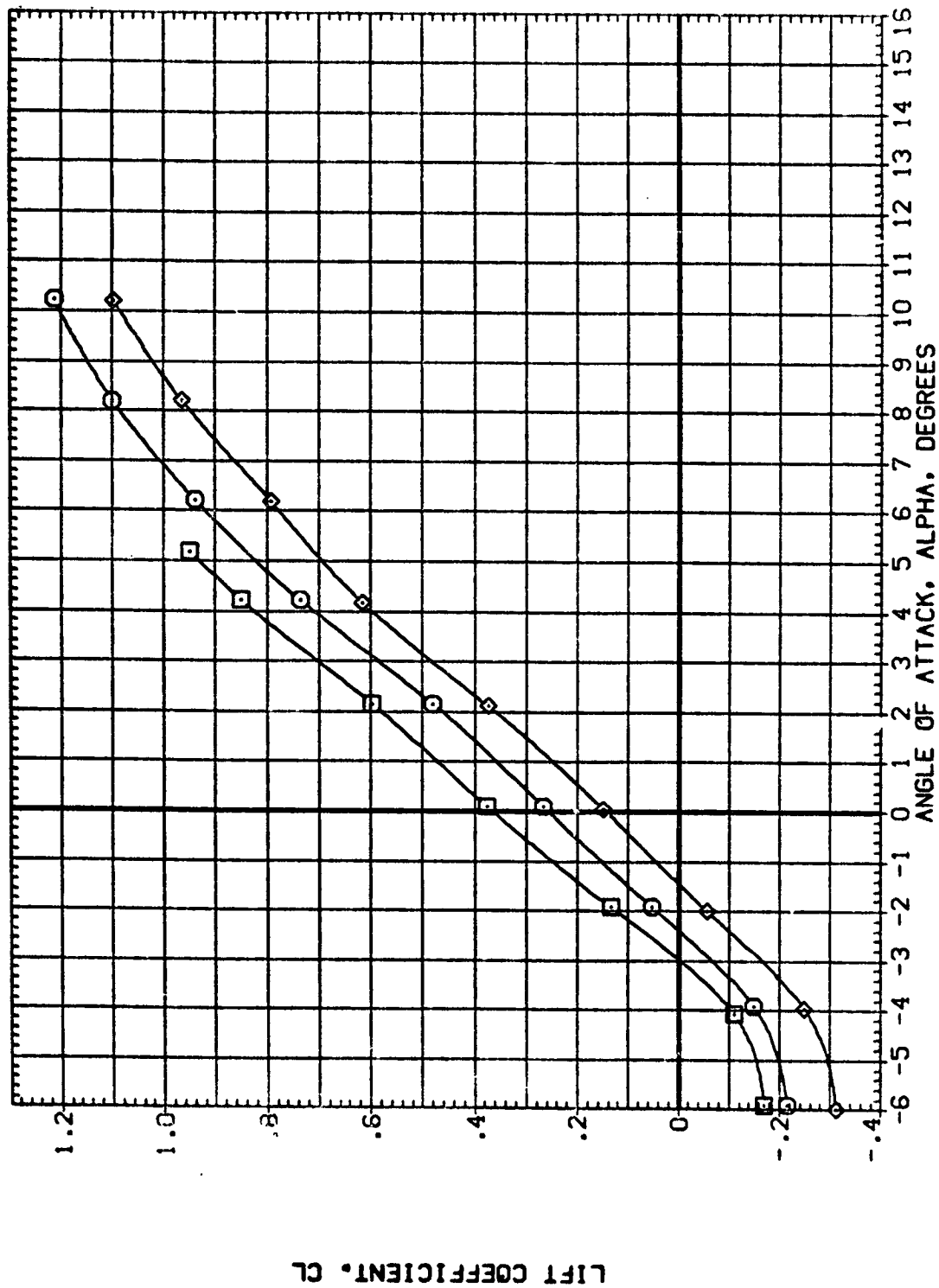


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.

(C)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAQ118) VS B2 I  
 (ZAG001) VS B2 I  
 (ZAG127) VS B2 I

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

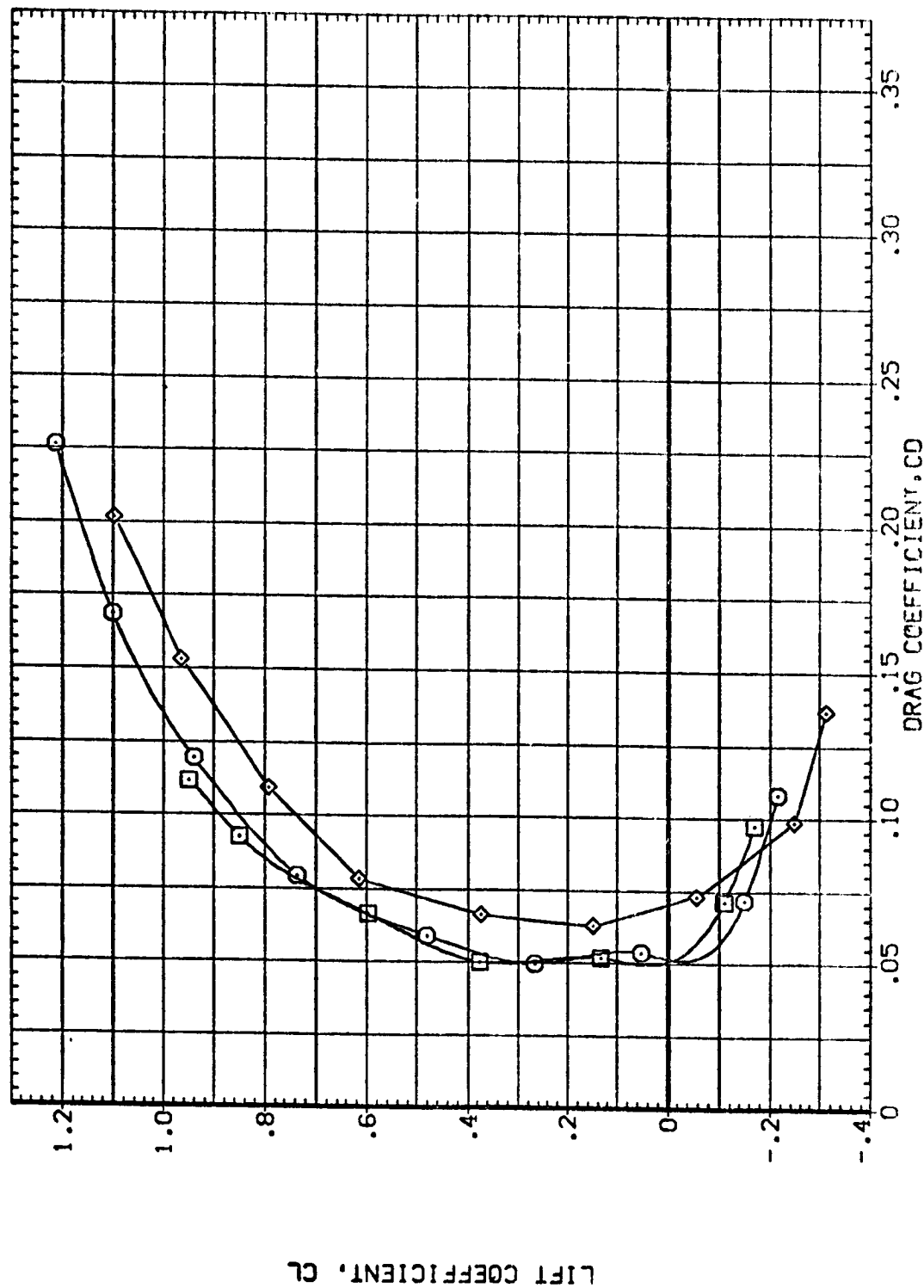


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.

(C)MACH = .80



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG118) V5 B2 T  
 (ZAG001) V5 B2 T  
 (ZAG127) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

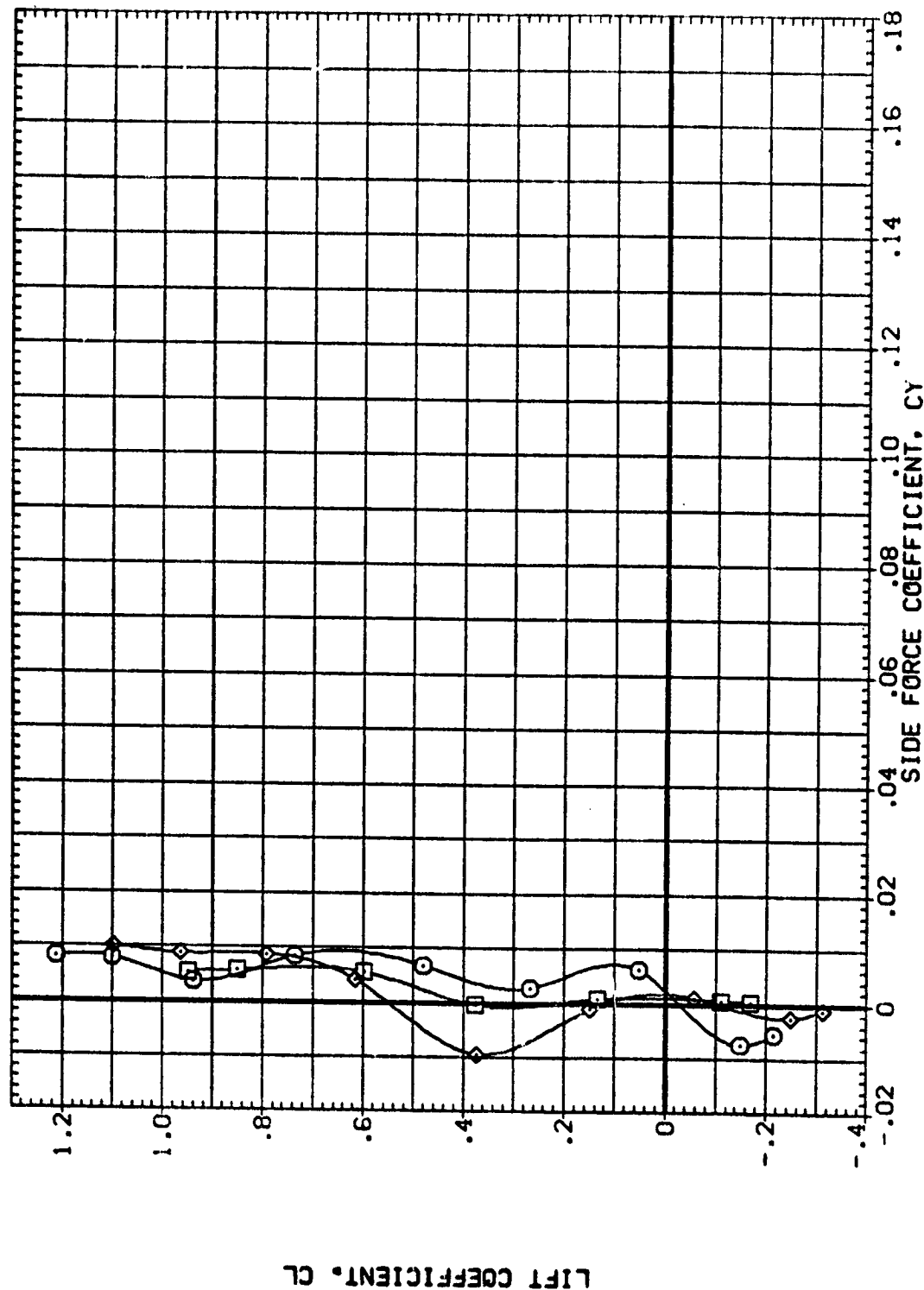


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.  
 (C)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0119) VS B2 T  
 (ZA0001) VS B2 T  
 (ZA0127) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

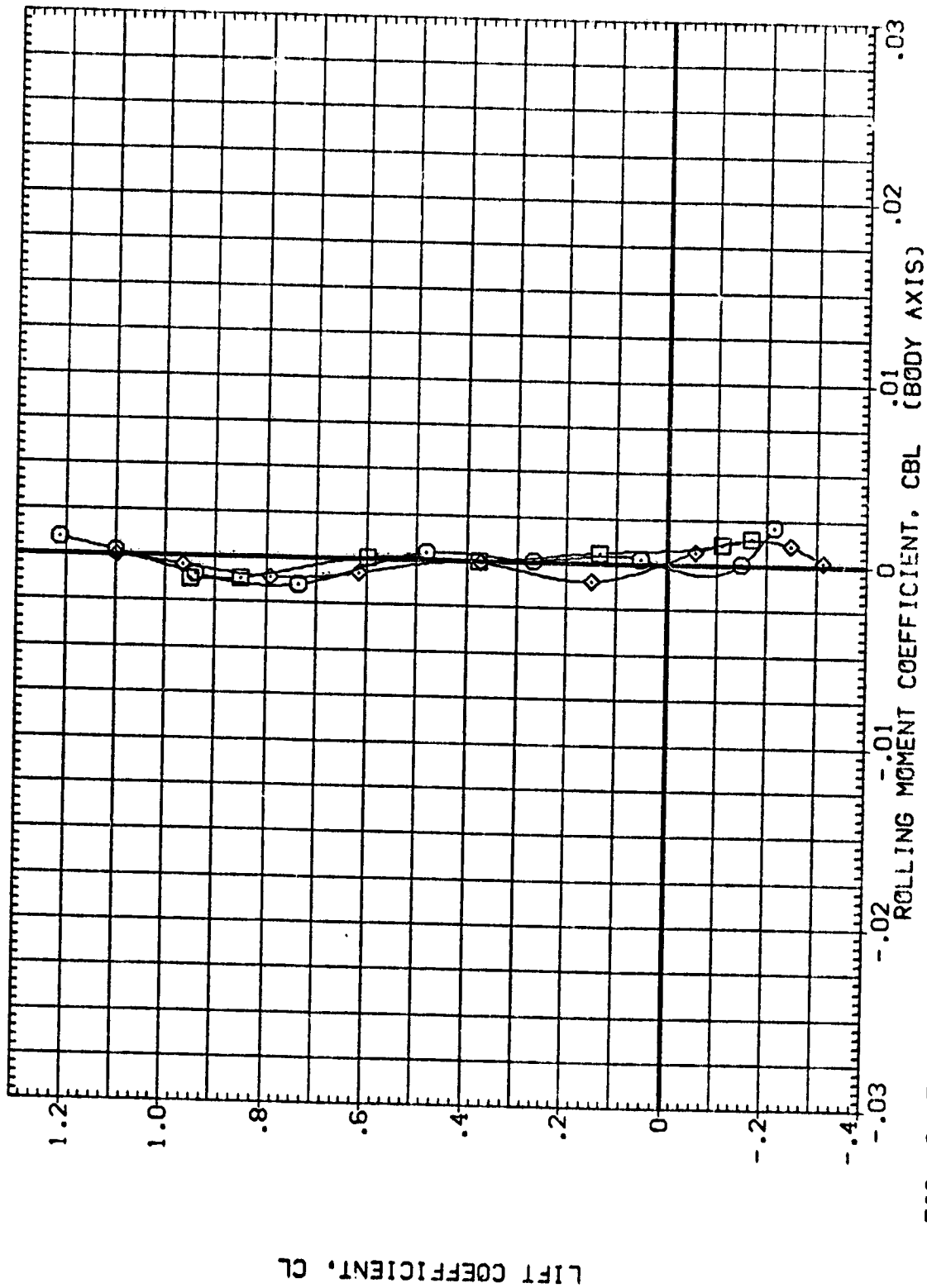
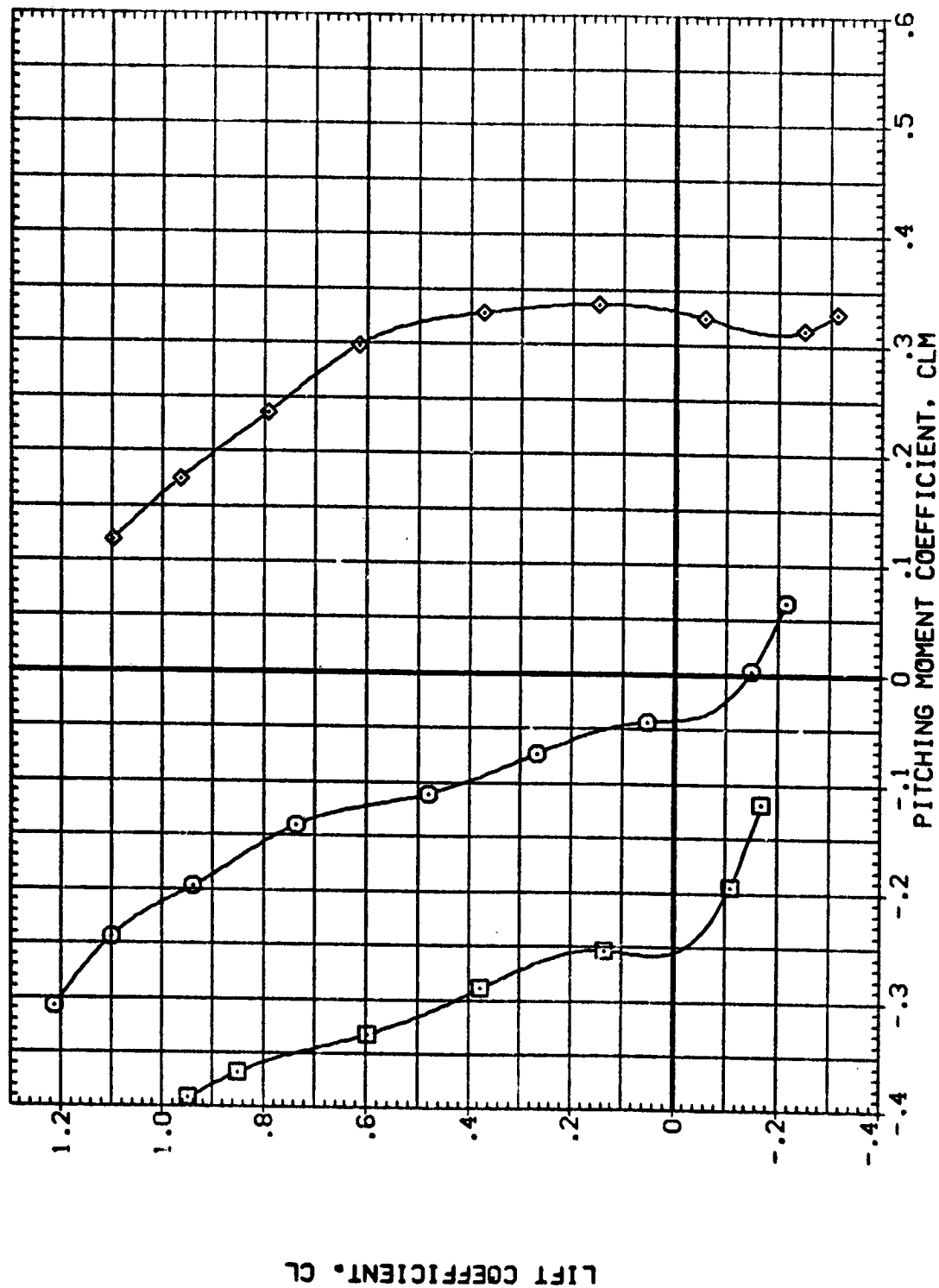


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.  
 (C)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0118) V5 B2 T  
 (ZA0001) V5 B2 T  
 (ZA0127) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BAQ118) V5 B2 T  
(ZAG001) V5 B2 T  
(ZAG127) V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

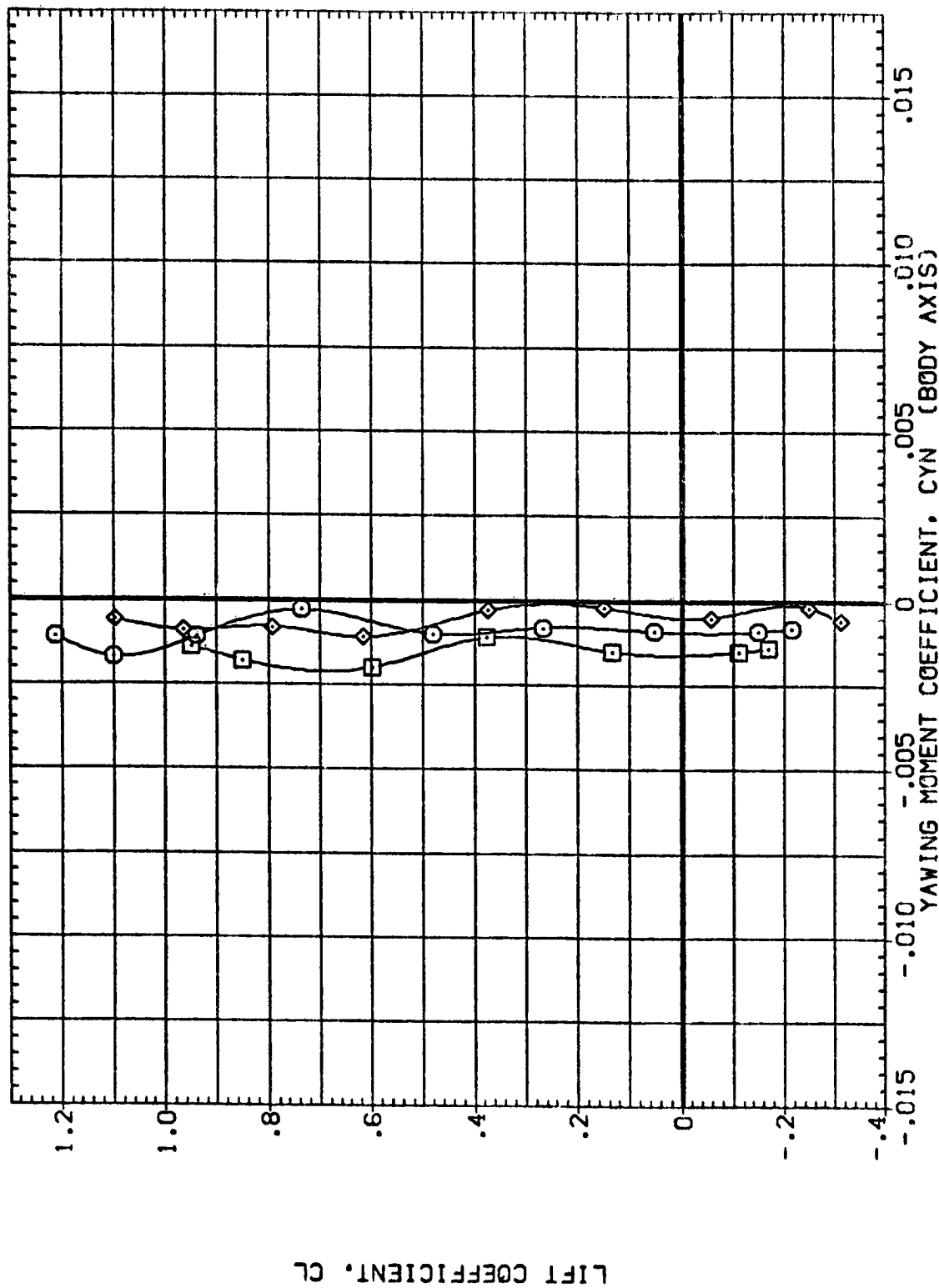


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 0.0 DEG.

(C)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG110) V5 B2 T  
 (ZAG003) V5 B2 T  
 (ZAG129) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

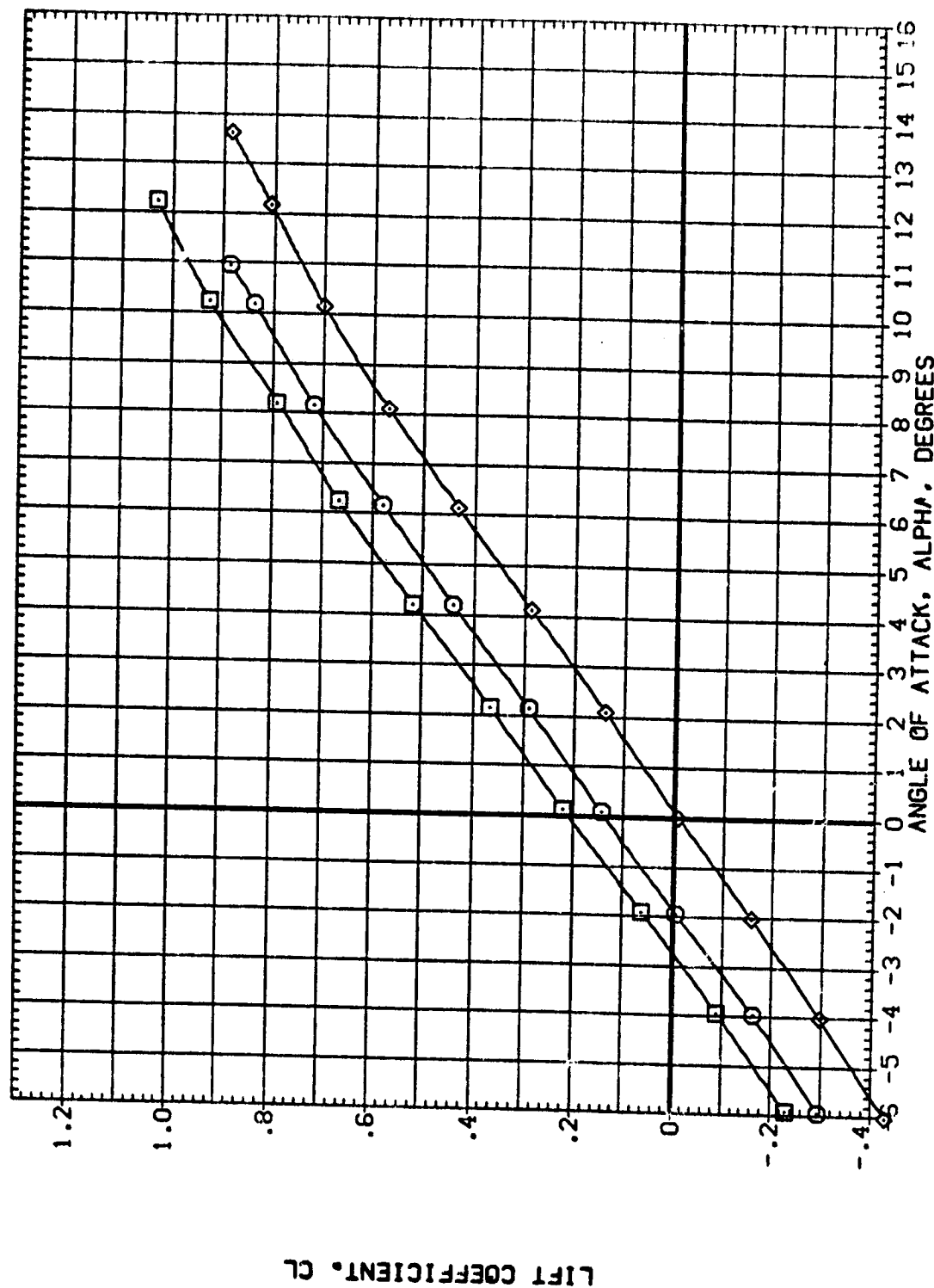


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (M)MACH = .70

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (BAG110)    V5 B2 ↑  
 (ZAG003)    V5 B2 ↑  
 (ZAG129)    V5 B2 ↑

AIL-L    AIL-R    HORIZT  
 .000    .000    .000  
 .000    .000    2.500  
 .000    .000    -5.000

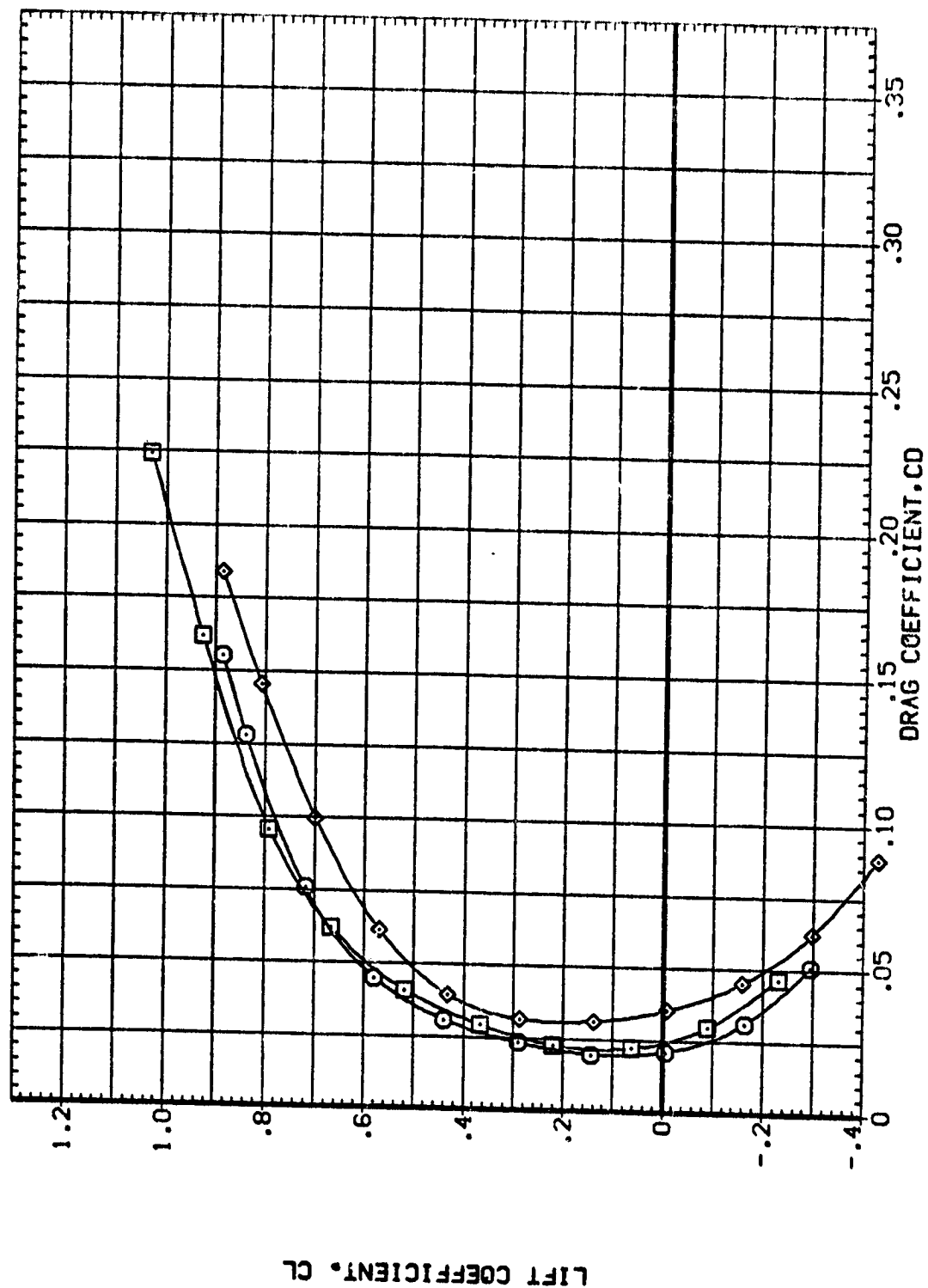


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (MACH = .70)

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (3A0110) V5 B2 T  
 (3A0103) V5 B2 T  
 (3A0128) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

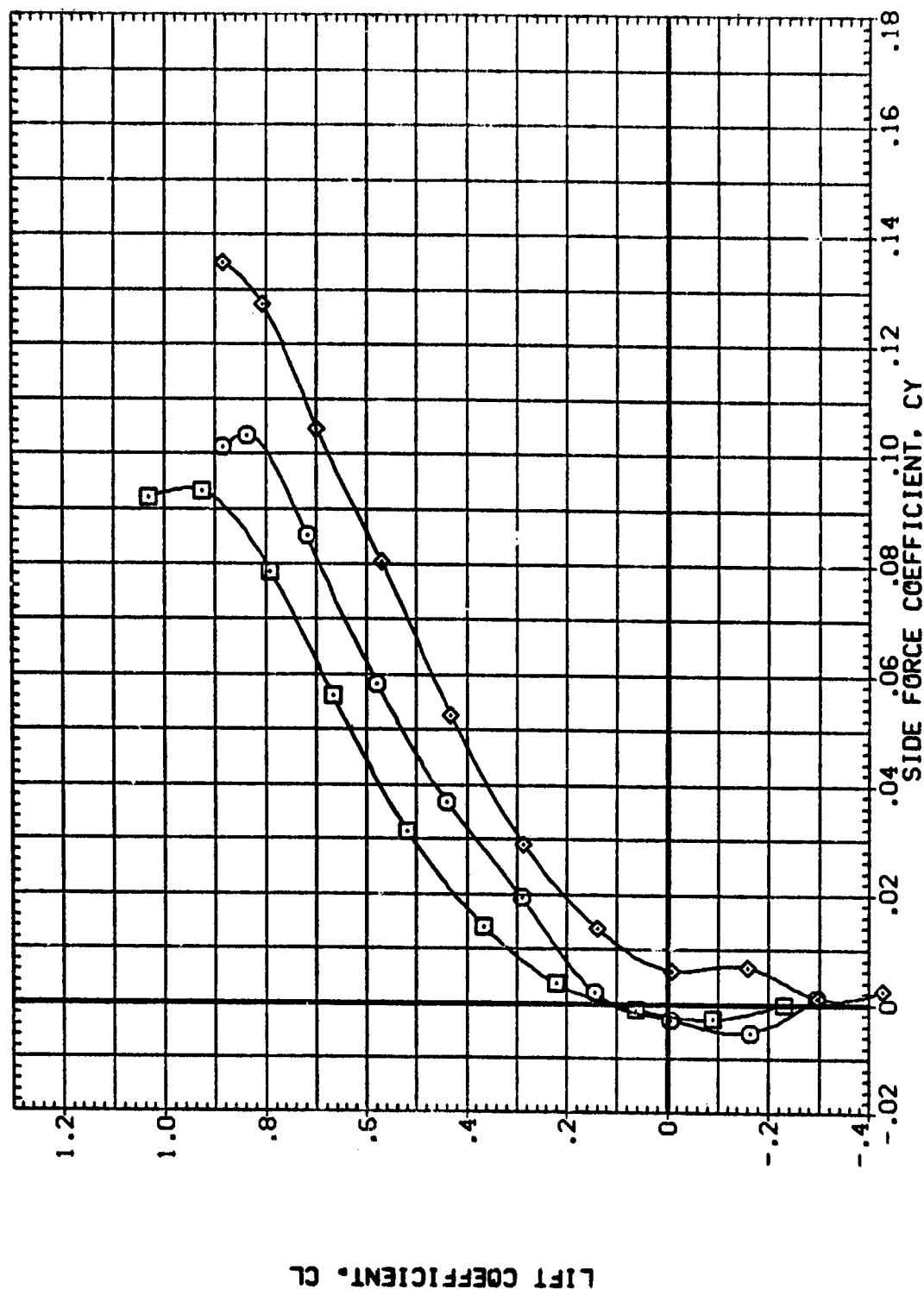


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP =45.0 DEG.

(A)MACH = .70

DATA SET SYMBOL. CONFIGURATION DESCRIPTION  
 {BAG110} 0 VS B2 T  
 {BAG110} 0 VS B2 T  
 {BAG120} 0 VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

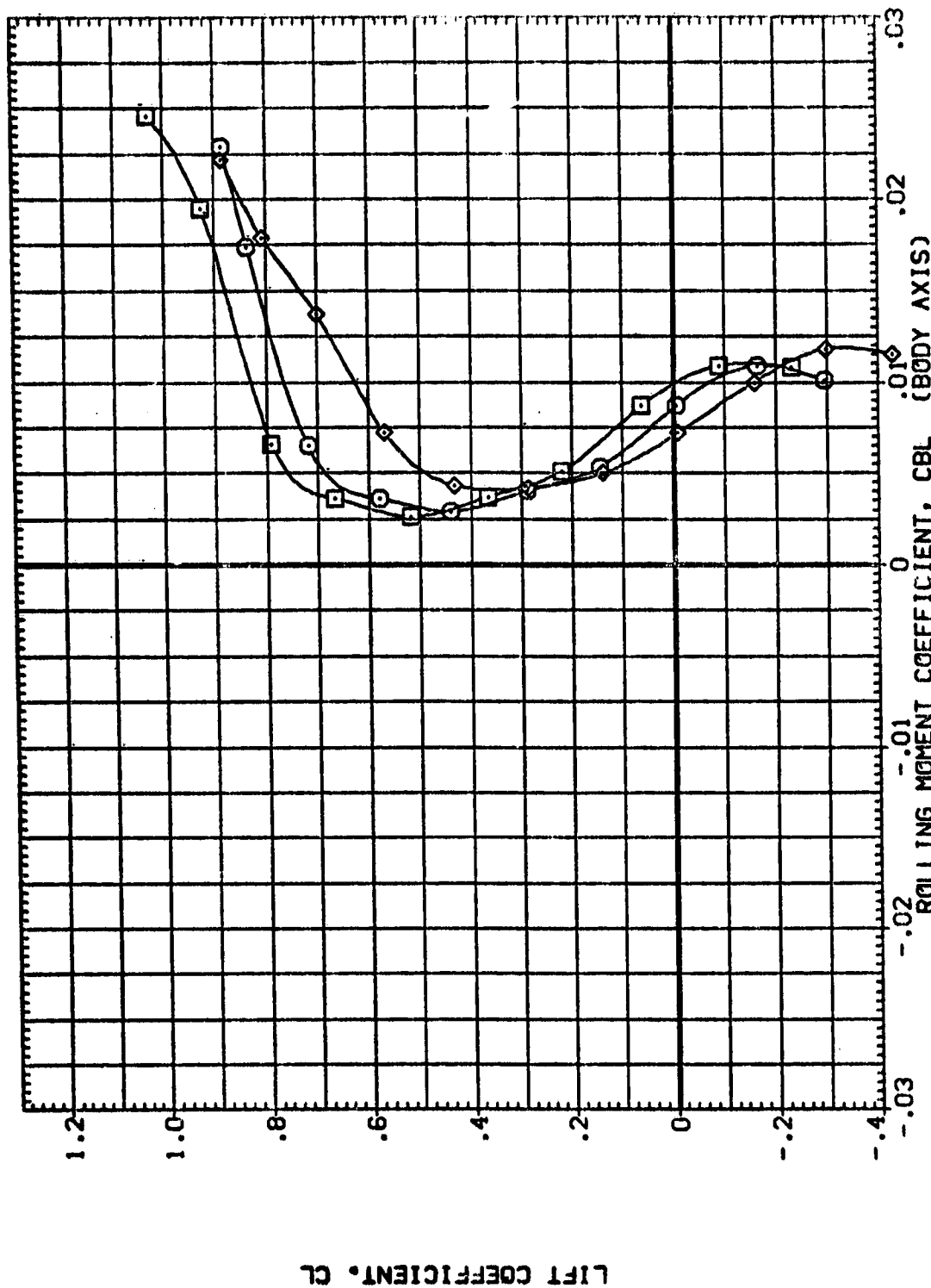


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (M)MACH = .70



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) V5 B2 T  
 (ZA0003) V5 B2 T  
 (ZA0129) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

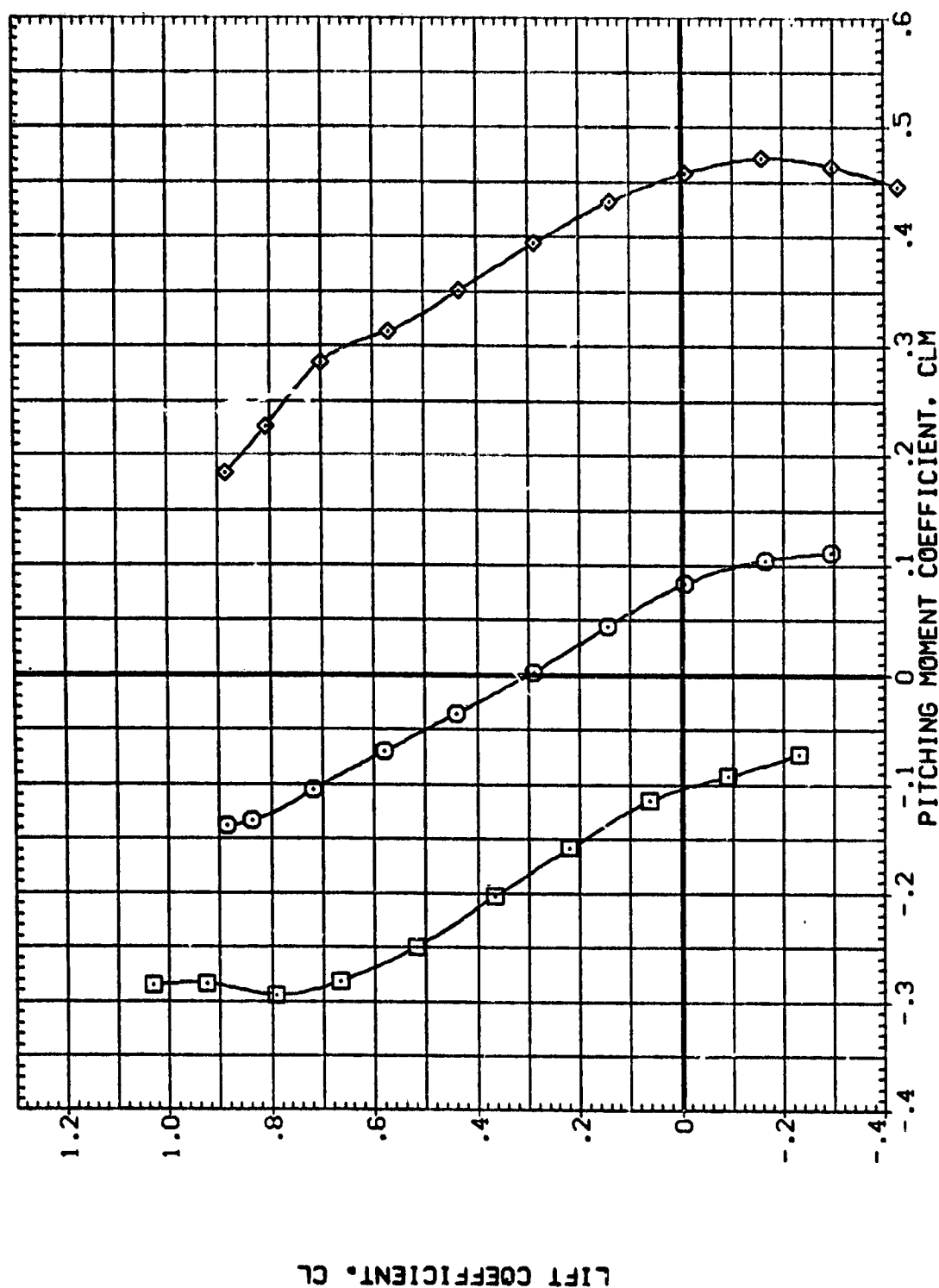


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (MACH = .70)

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BA0110)  
(ZAG003)  
(ZAG029)

V5 B2 T  
V5 B2 T  
V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

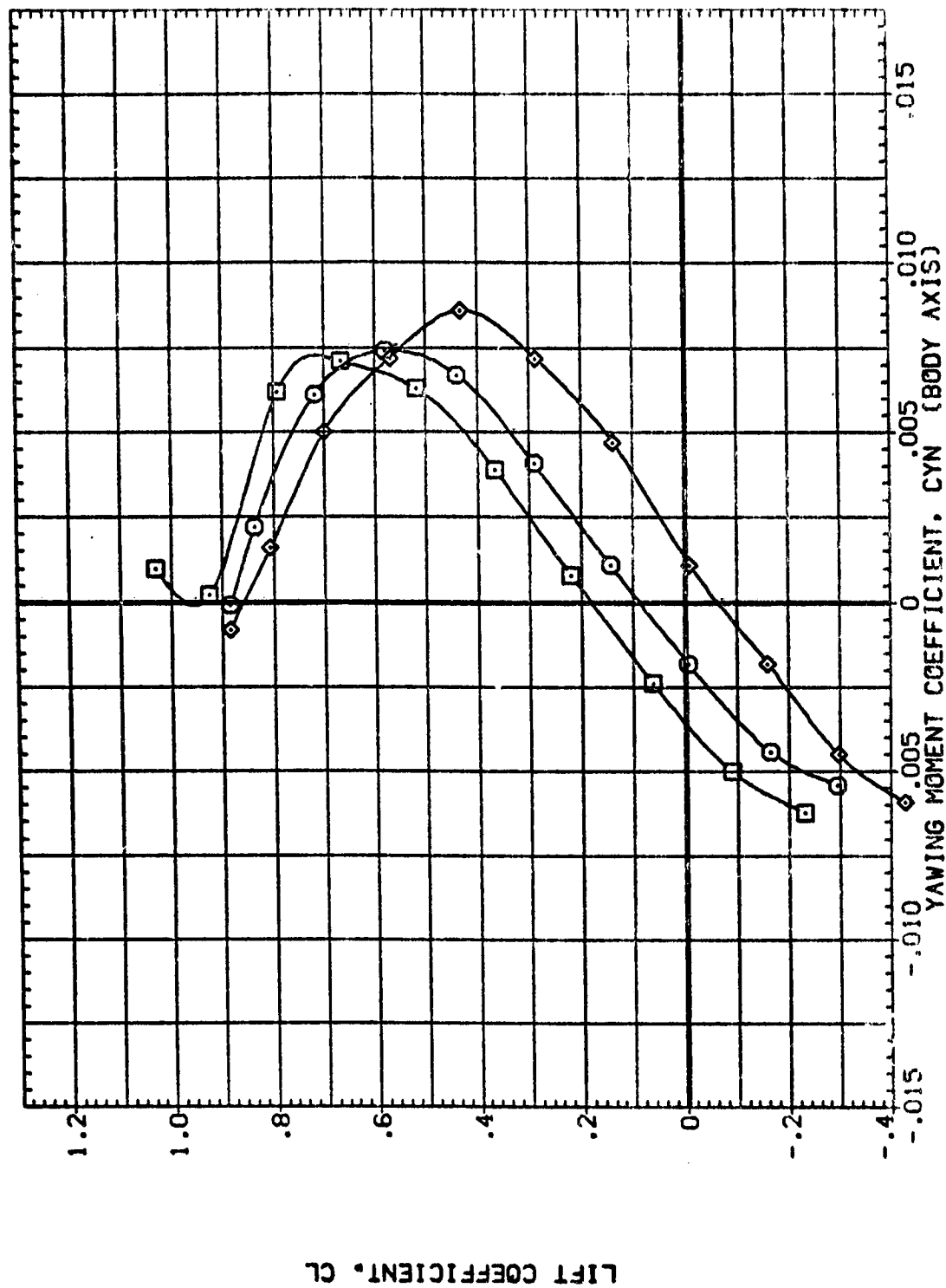


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT. SWEEP = 45.0 DEG.

(A)MACH = .70

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (BA0110) VS B2 T  
 (ZAG003) VS B2 T  
 (ZAG123) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

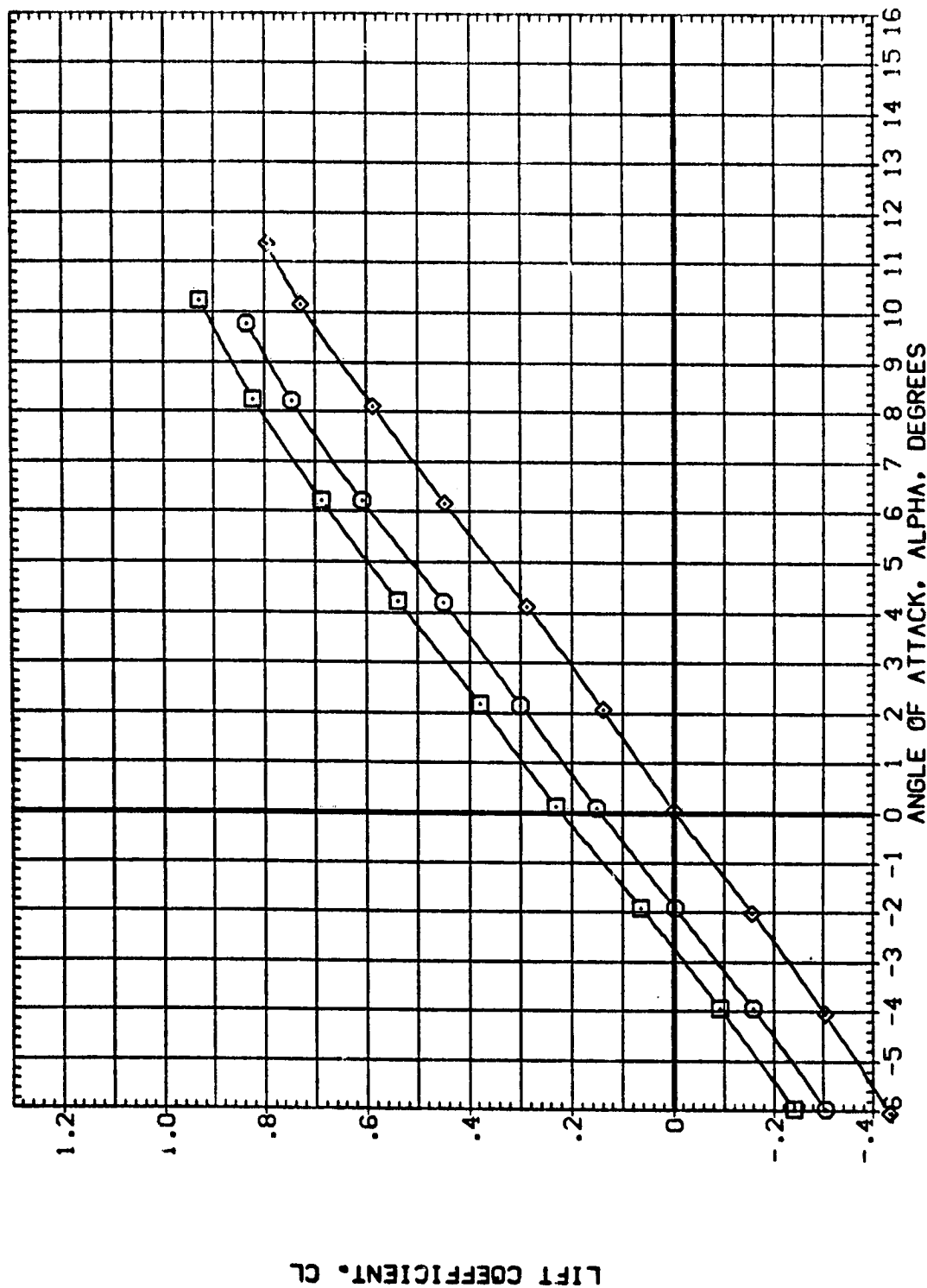


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP =45.0 DEG.  
 (B)MACH = .80

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ORIGINAL PAGE IS POOR

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(BAQ110) VS B2 T  
(ZAG003) VS B2 T  
(ZAG126) VS B2 T

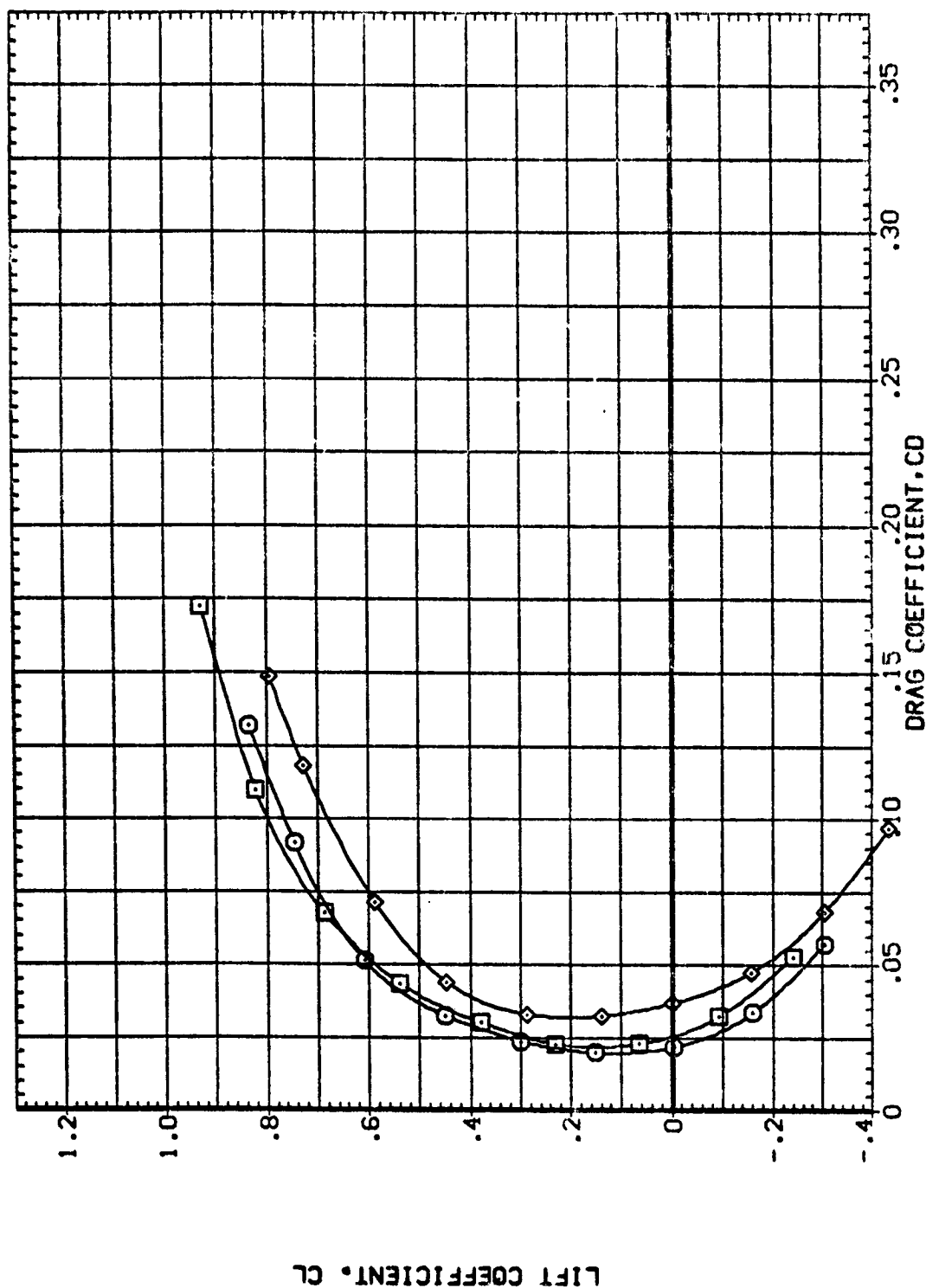


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP =45.0 DEG.  
(B)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (8A0110) V3 B2 T  
 (2A0003) V3 B2 T  
 (2A0129) V3 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

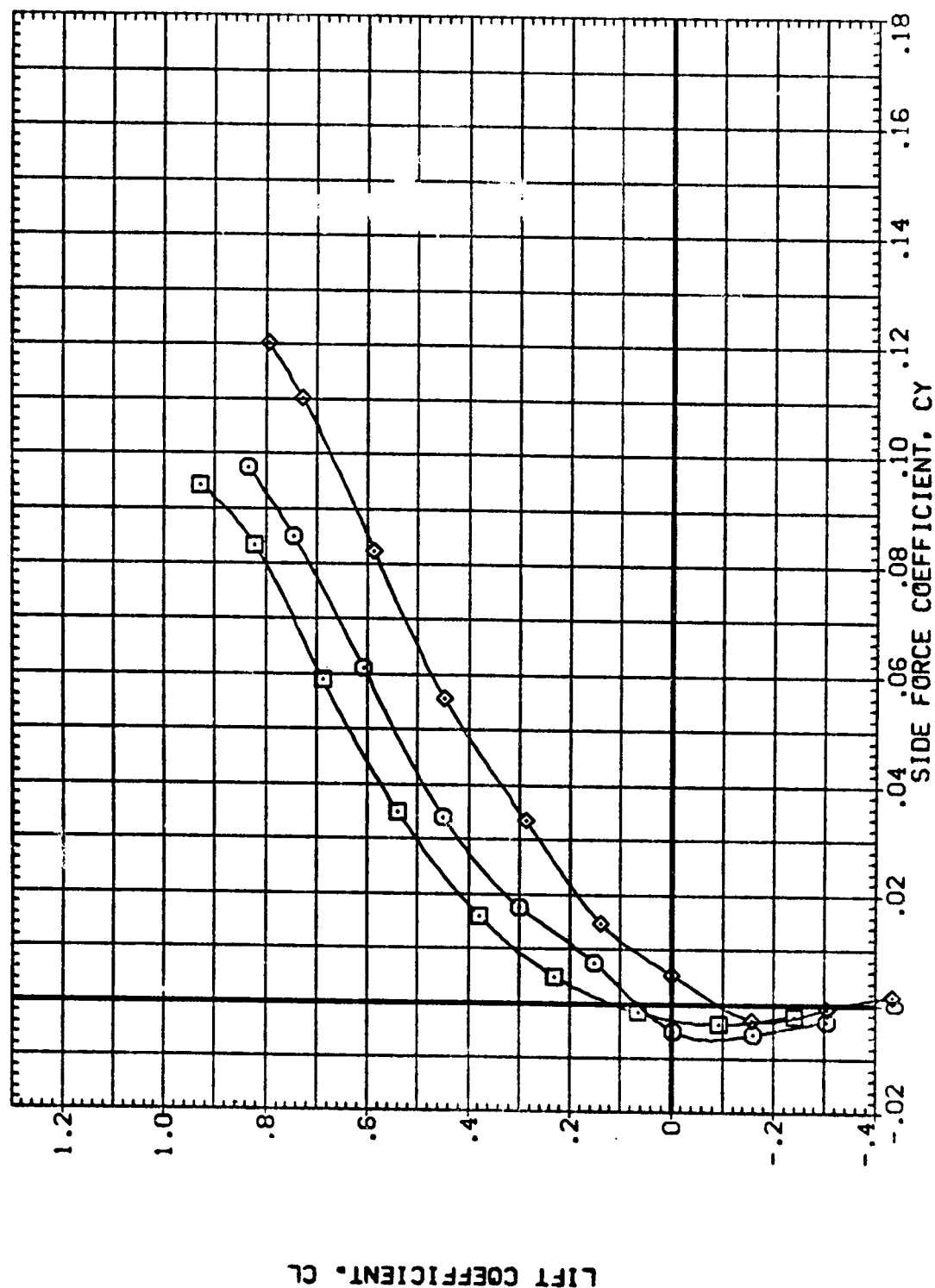


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.

(B)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) V5 B2 T  
 (ZAG003) V5 B2 T  
 (ZAG129) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

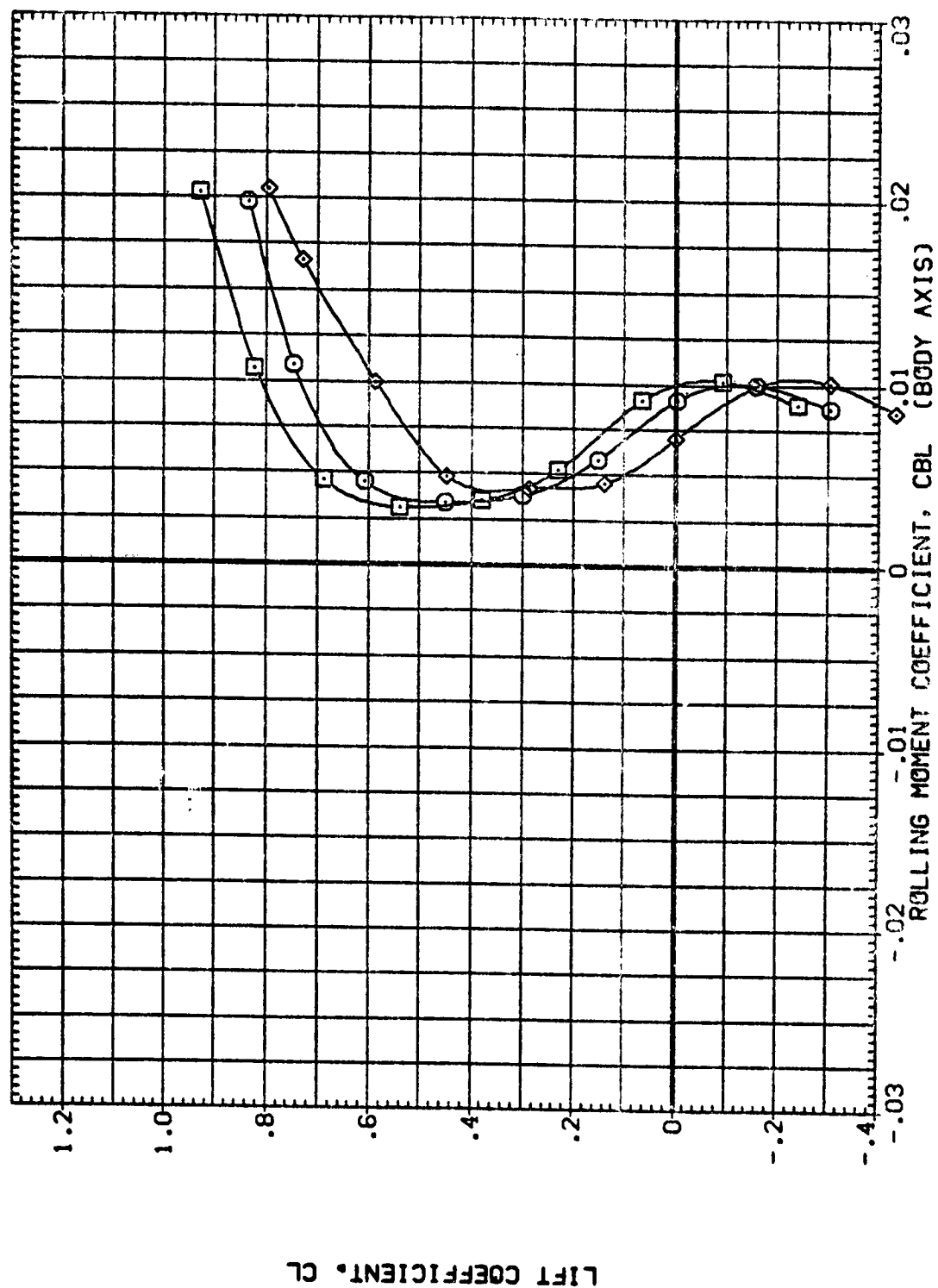


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.

(CB)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG110) V5 B2 T  
 (ZAG003) V5 B2 T  
 (ZAG129) V5 B2 T

AIR-L AIR-R HORIZT  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000

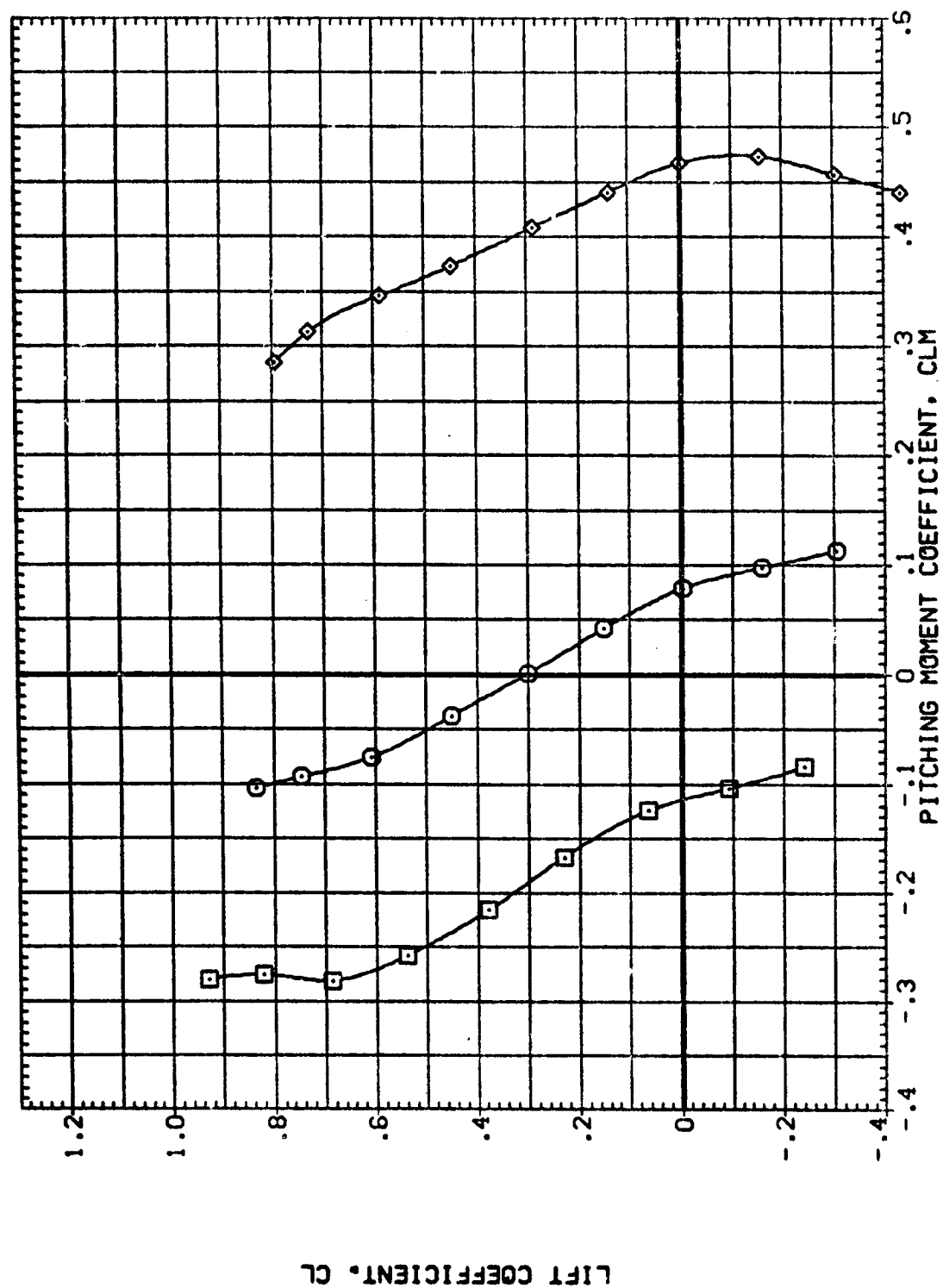


Fig. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.

(B)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) V5 B2 T  
 (ZAG003) V5 B2 T  
 (ZAG128) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

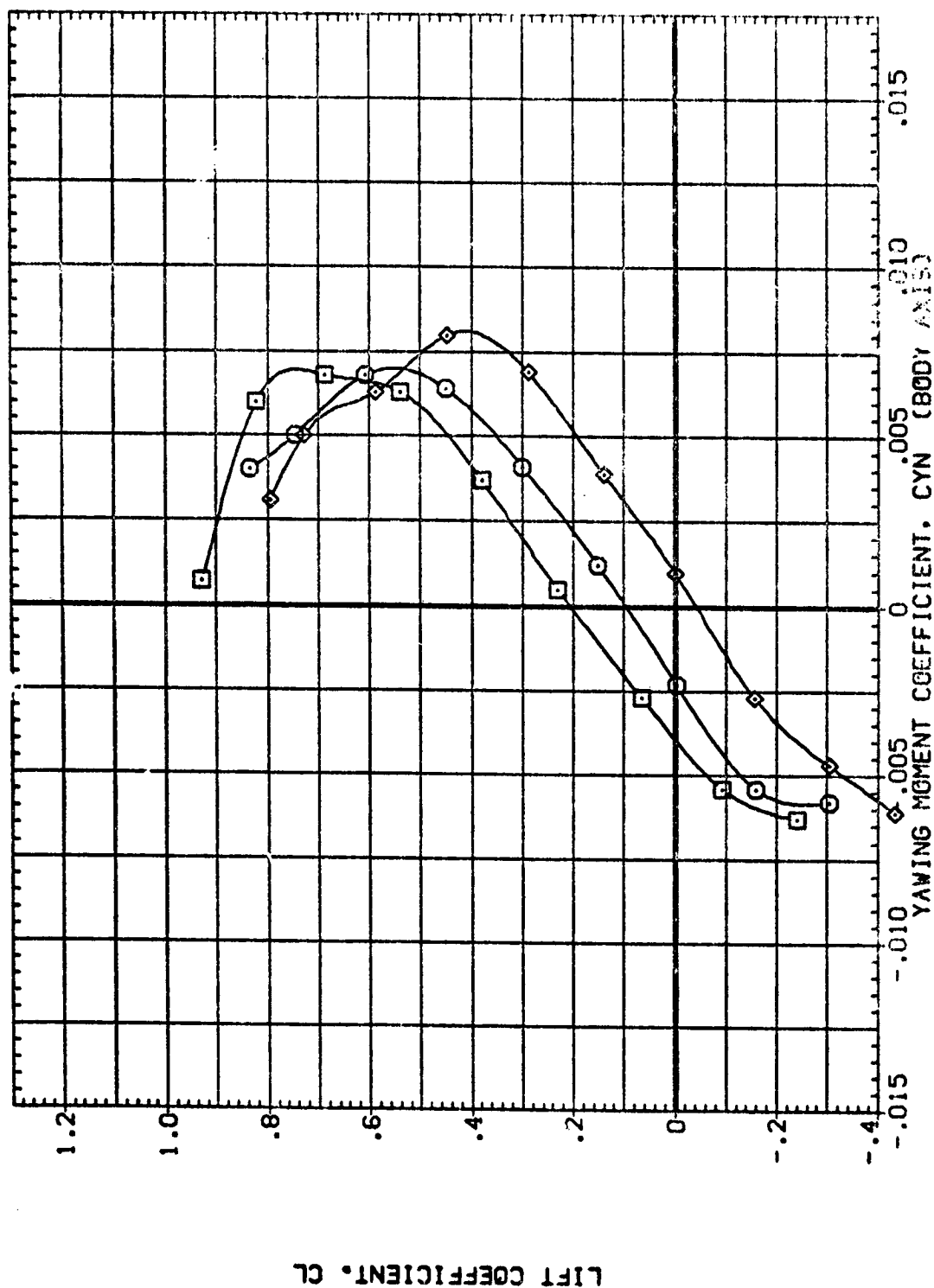


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.

(B)MACH = .80



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) V5 B2 T  
 (ZA0003) V5 B2 T  
 (ZA0129) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

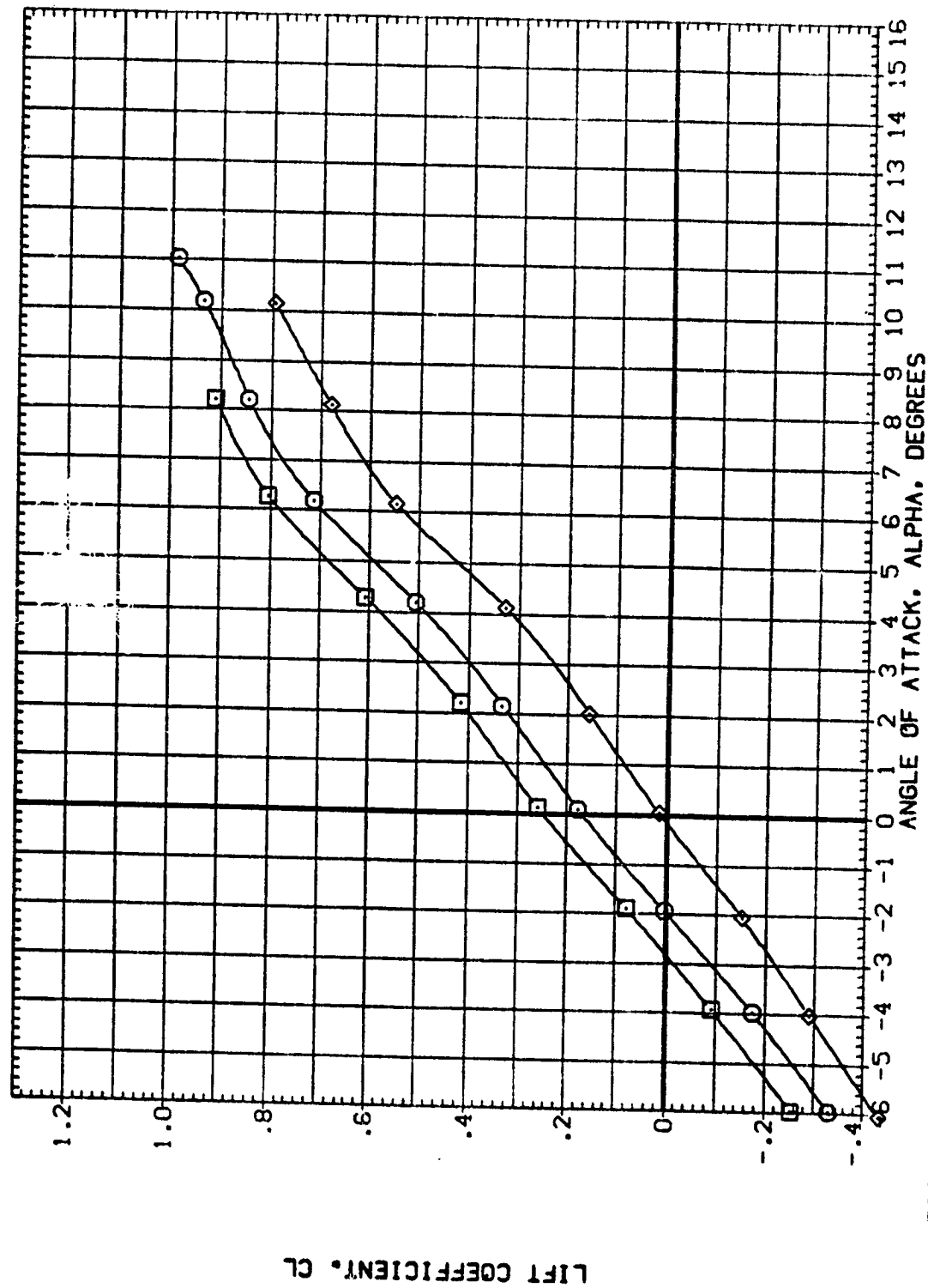


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (C)MACH = .95

REPRODUCED FROM THE  
ORIGINAL DATA AT 1000

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(BAG110) V5 B2 I  
(ZAG003) V5 B2 I  
(ZAG129) V5 B2 I

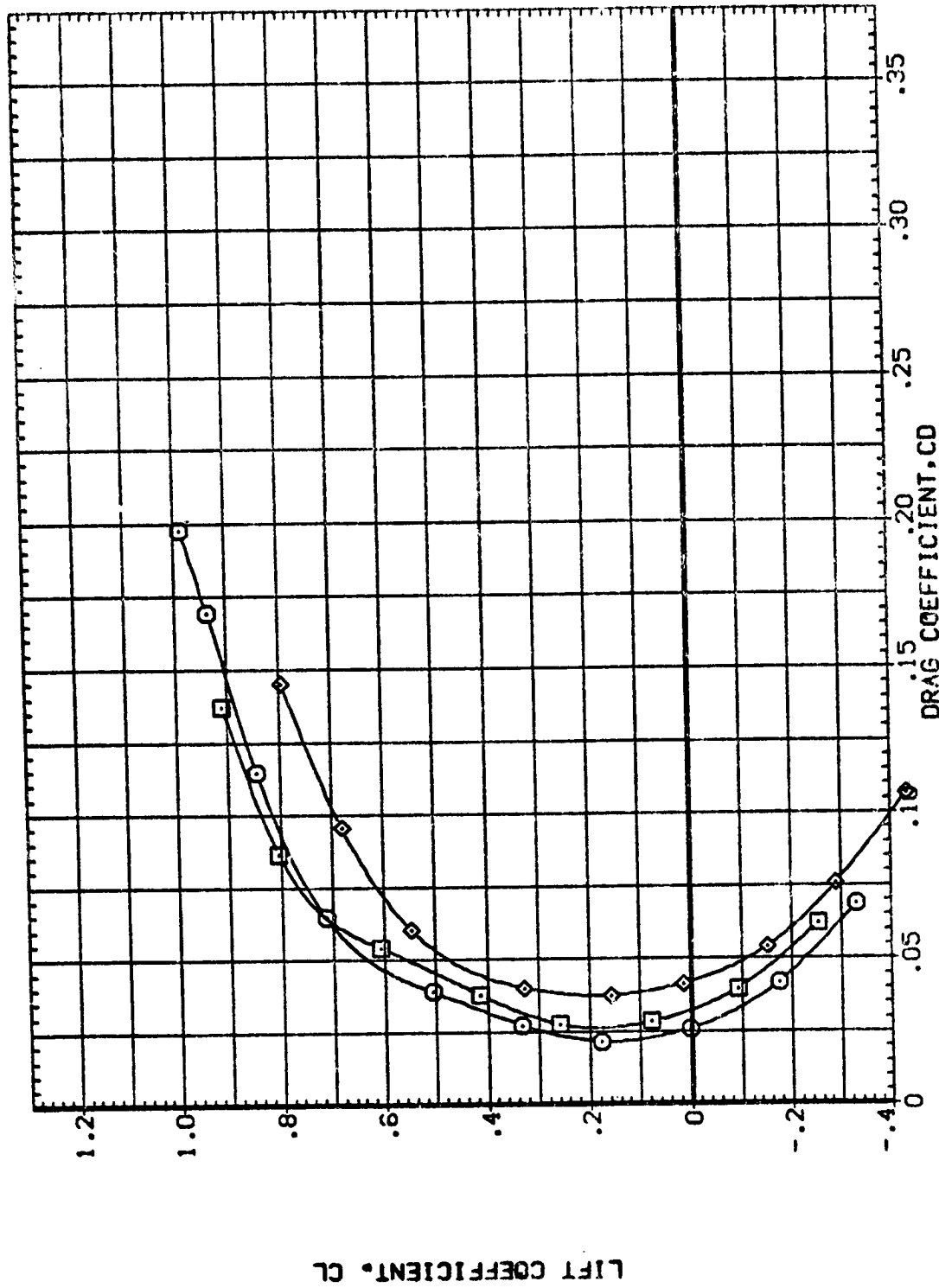


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
(COMACH = .95)

AIL-L    AIL-R    HORIZT  
 .000    .000    .000  
 .000    .000    2.500  
 .000    .000    -5.000

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (BAG110)    VS B2 T  
 (ZAG003)    VS B2 T  
 (ZAG129)    VS B2 T

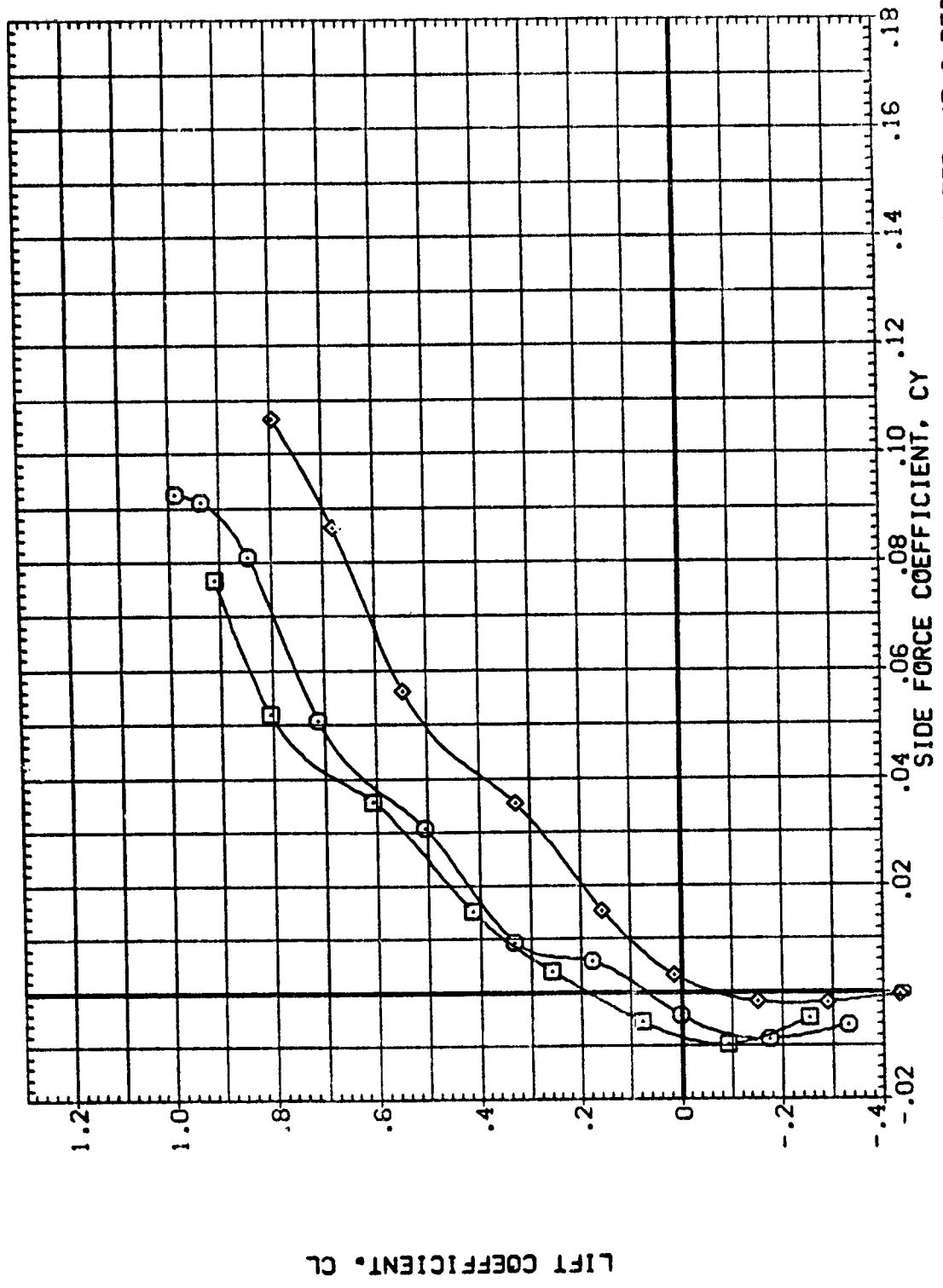


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (C)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG110) V5 B2 T  
 (ZAG003) V5 B2 T  
 (ZAG129) V5 B2 T

AIR-L AIR-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

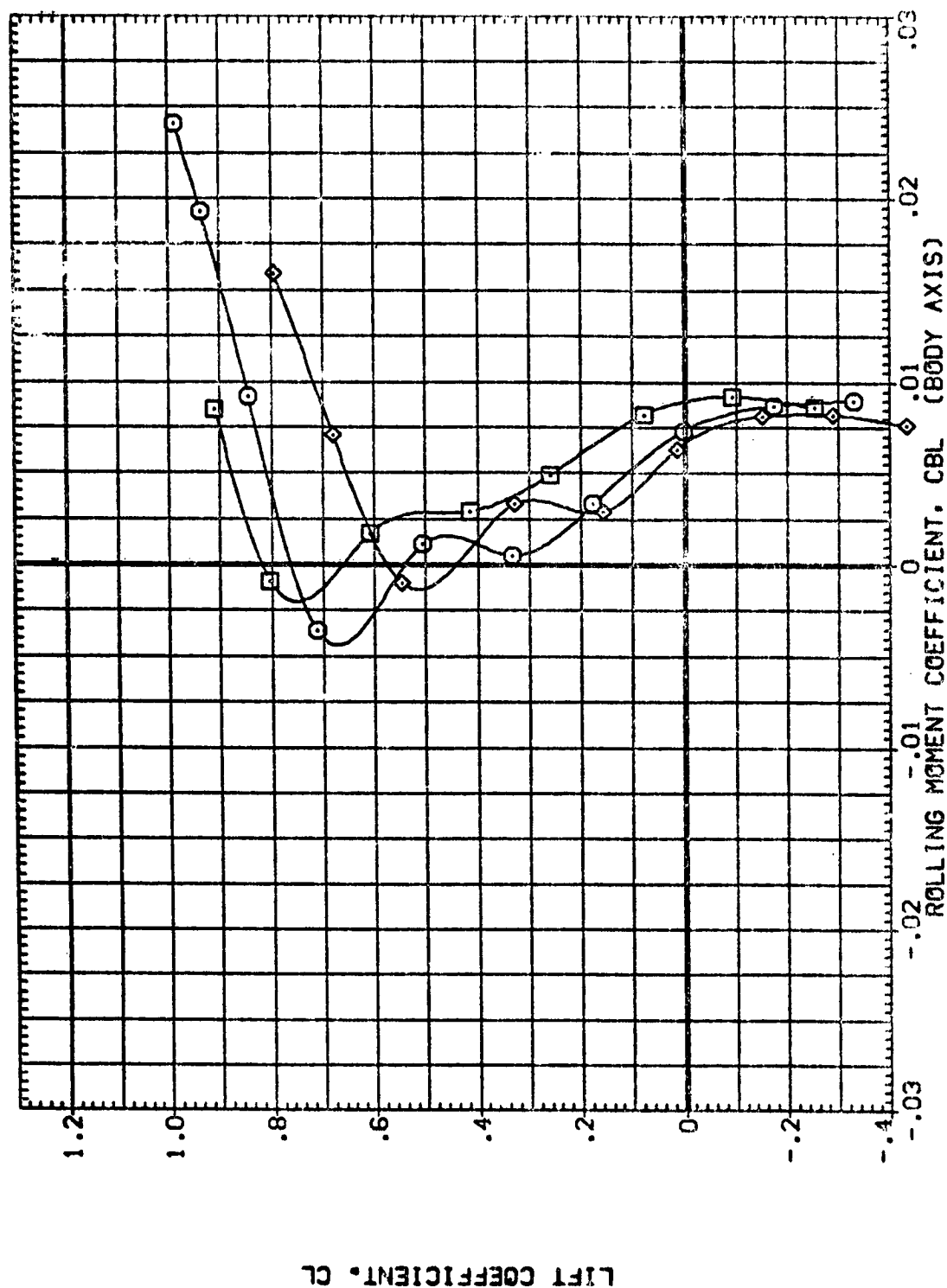


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.

(C)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (240110) VS B2 T  
 (240003) VS B2 T  
 (240123) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

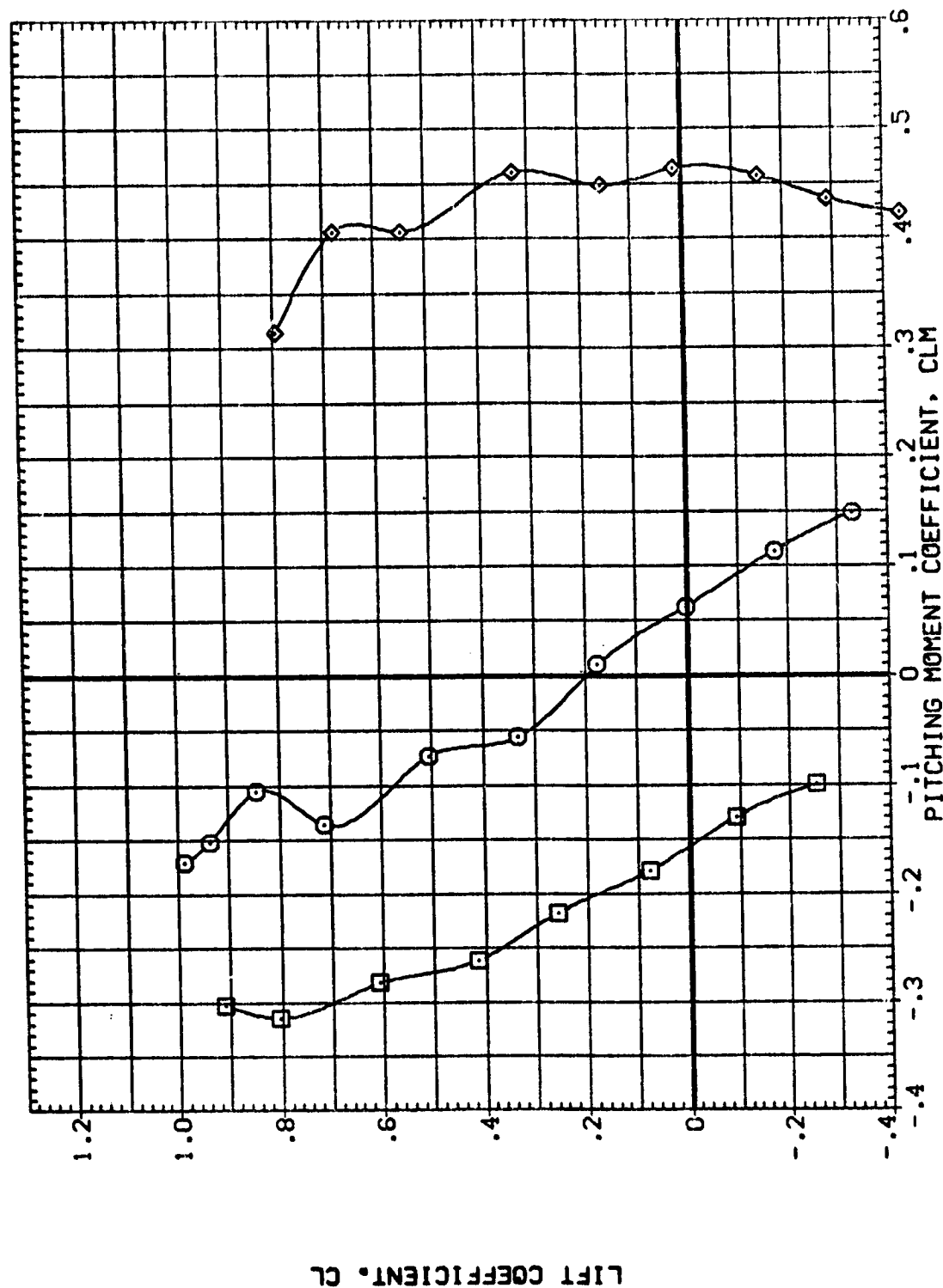


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (C)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
V5 B2 T  
V5 B2 T  
V5 B2 T  
V5 B2 T

AIL-L AIL-R HORIZT

.000 .000 .000  
.000 .000 .000  
.000 .000 .000  
.000 .000 .000

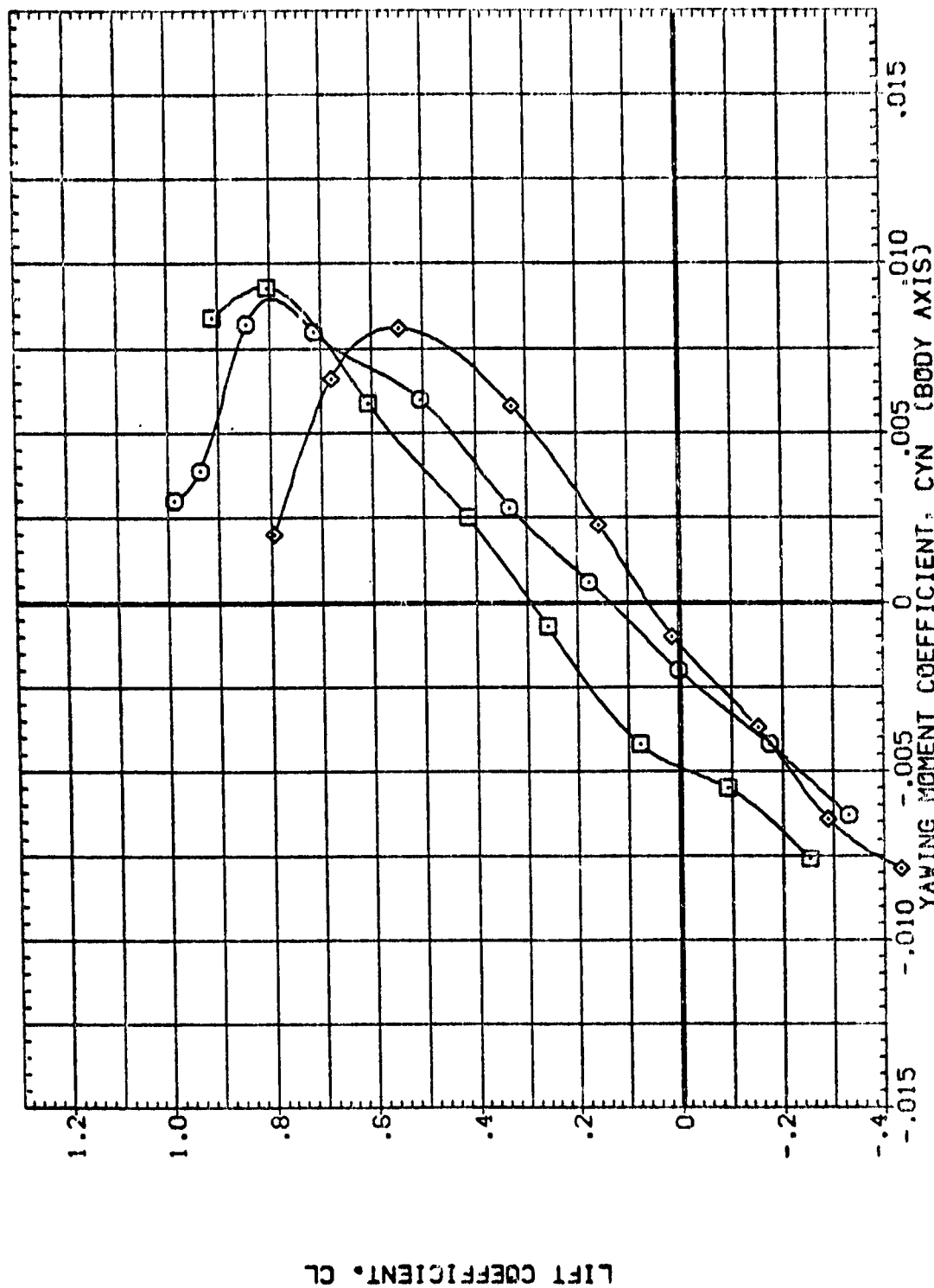





FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
(C)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BAG10)  VS B2 T  
 (ZAG003)  VS B2 T  
 (ZAG128)  VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

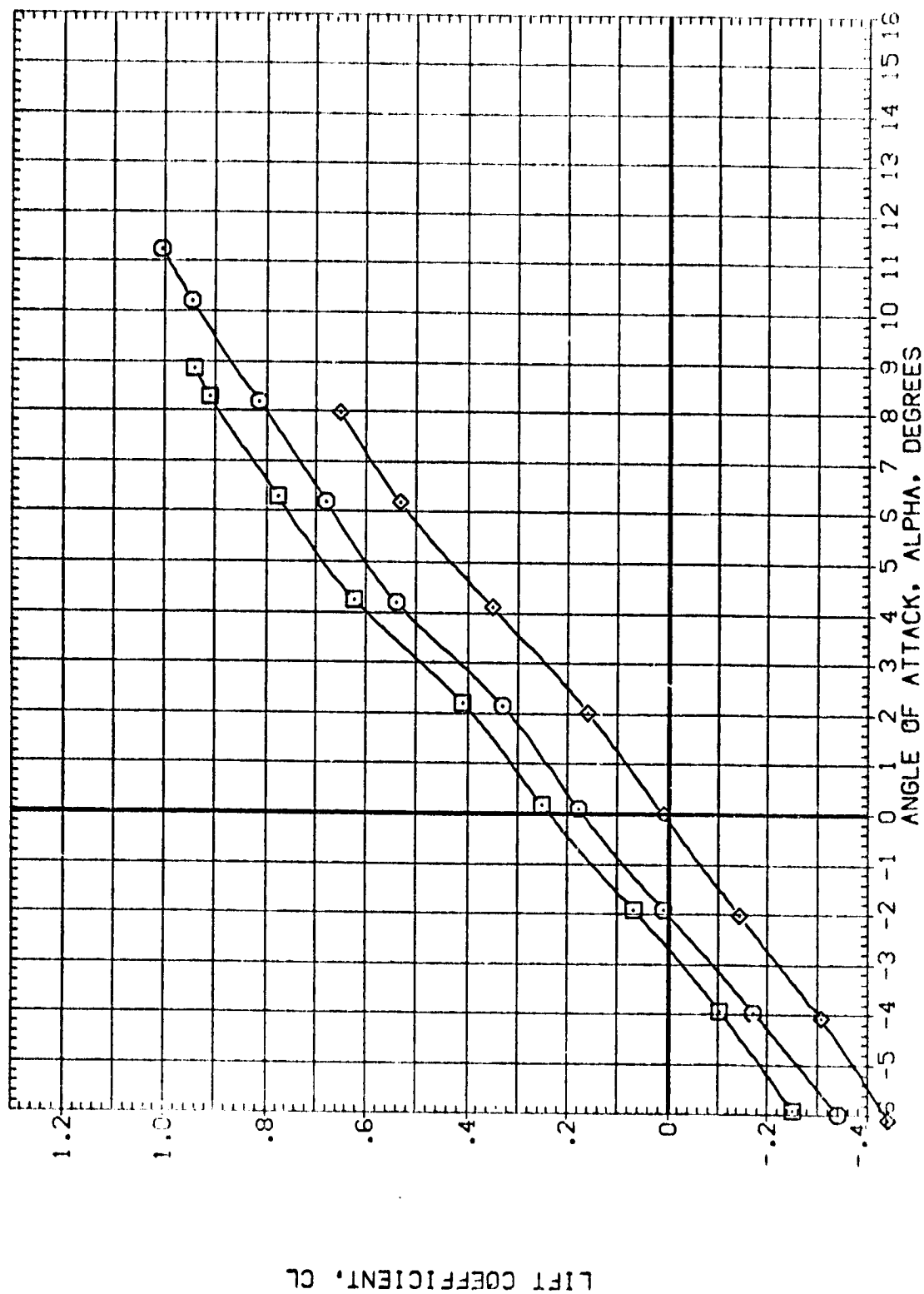


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP =45.0 DEG.

(M)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) VS B2 T  
 (ZAG003) VS B2 T  
 (ZAG129) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

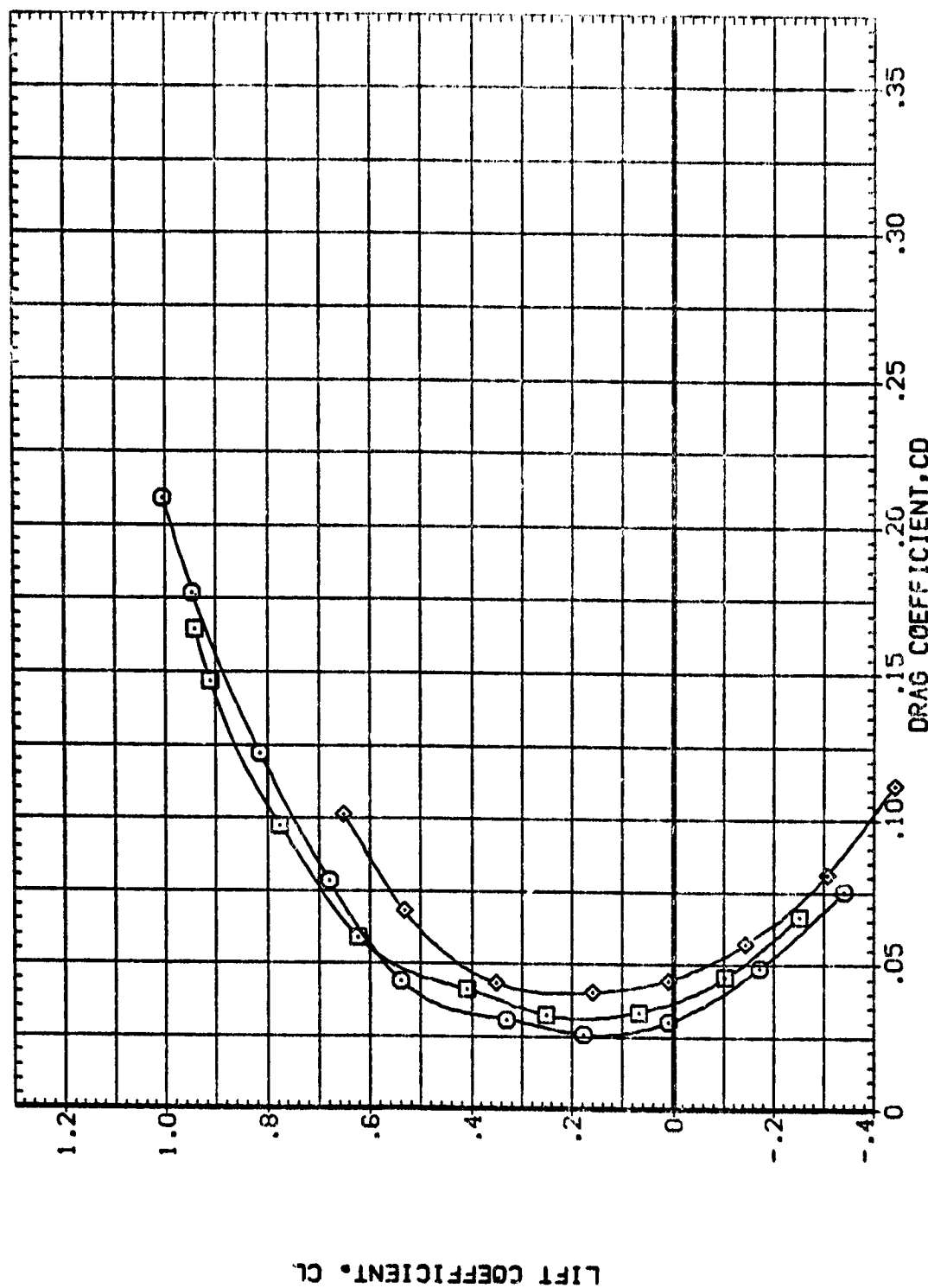


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (C)MACH = .98



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG110) V5 B2 T  
 (ZAG003) V5 B2 T  
 (ZAG120) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

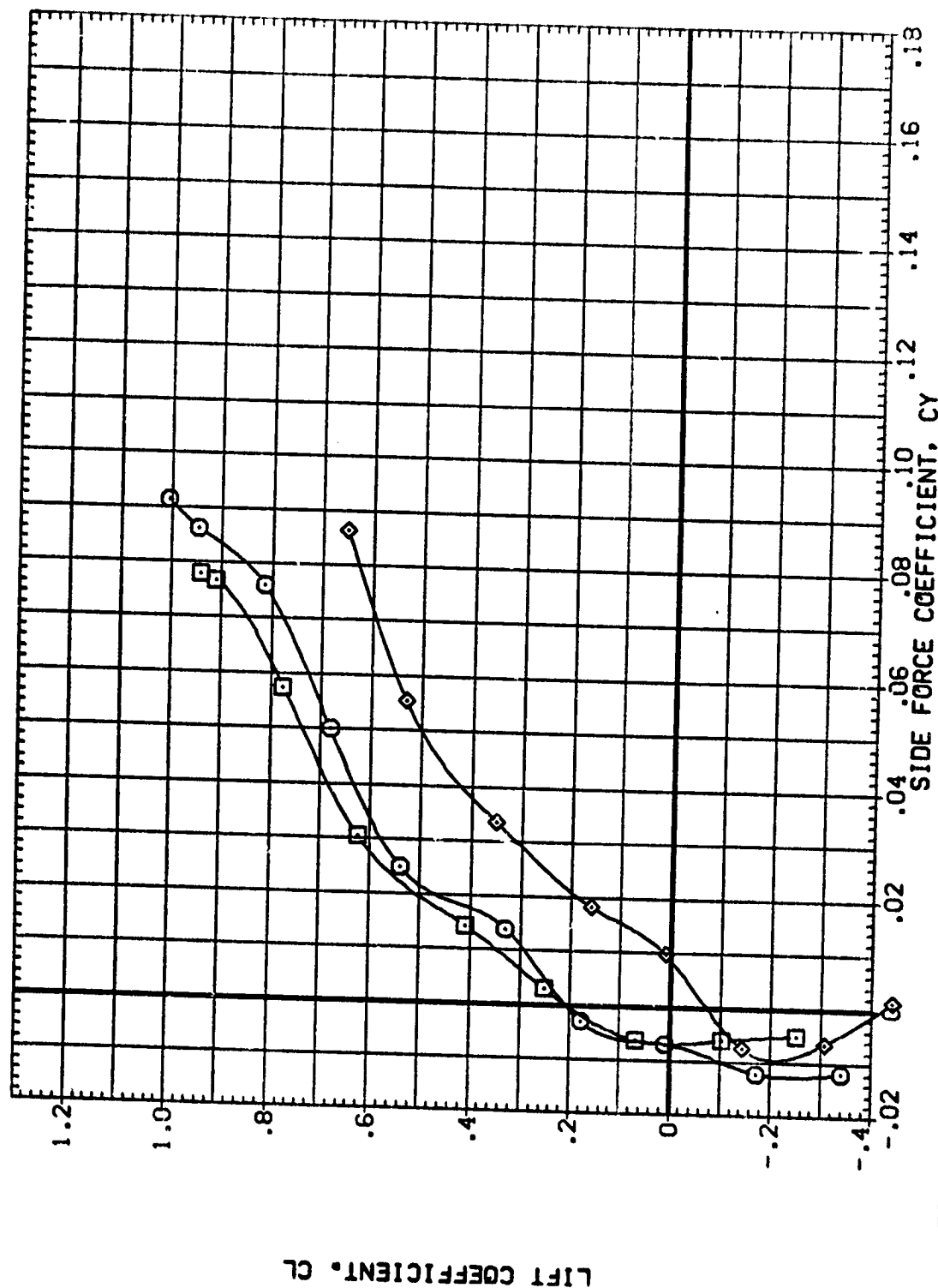


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (D)MACH = .98

REPRODUCED FROM THE  
ORIGINAL PHOTO IS TOOL

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(BA0110) VS B2 T  
(Z40003) VS B2 T  
(Z40129) VS B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

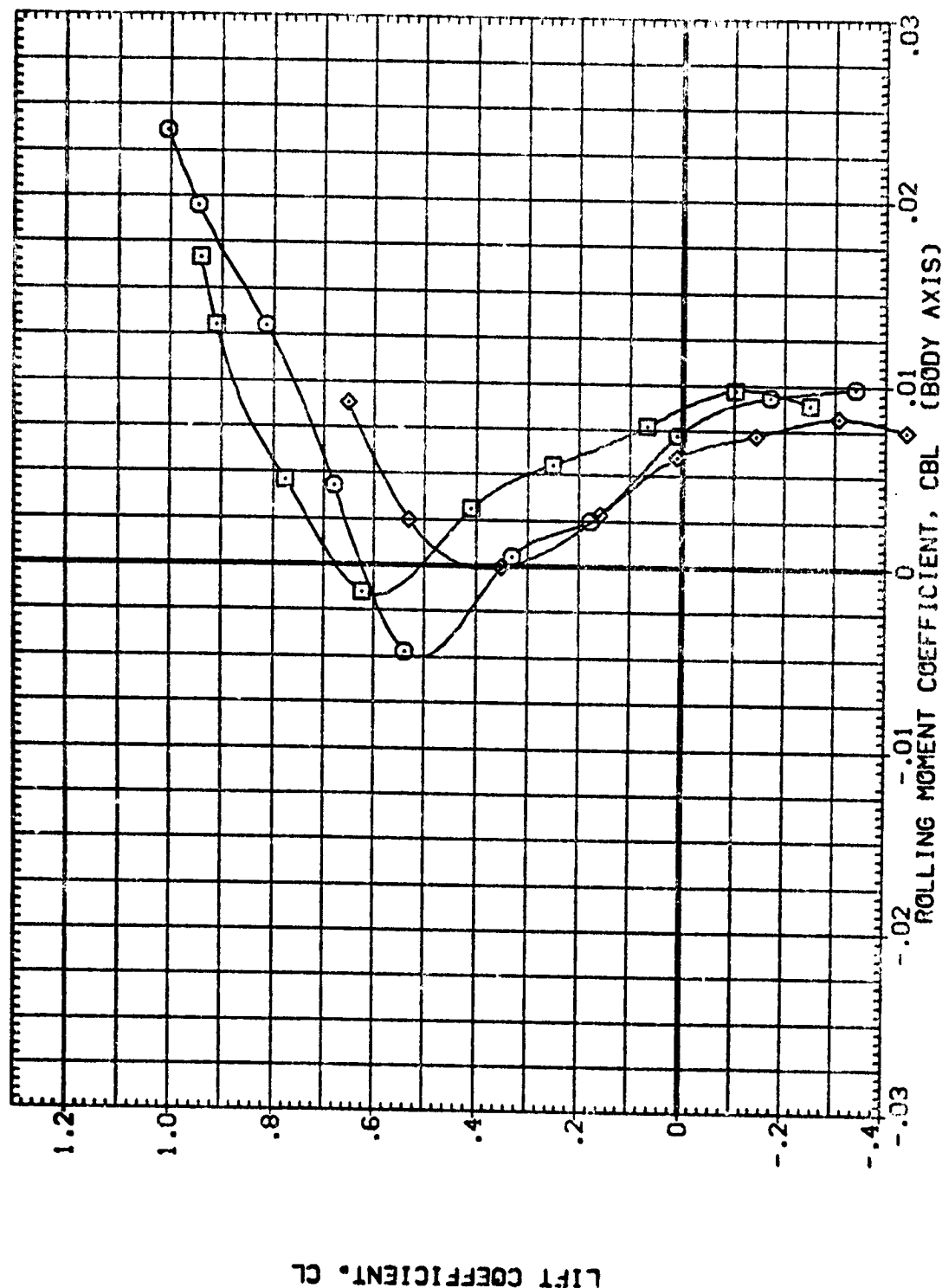


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP =45.0 DEG.  
(O)MACH = .98

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (BA0110)    V5 B2 T  
 (ZAG003)    V5 B2 T  
 (ZAG123)    V5 B2 T

AIL-L    AIL-R    HORIZT  
 .000    .000    .000  
 .000    .000    2.500  
 .000    .000    -5.000

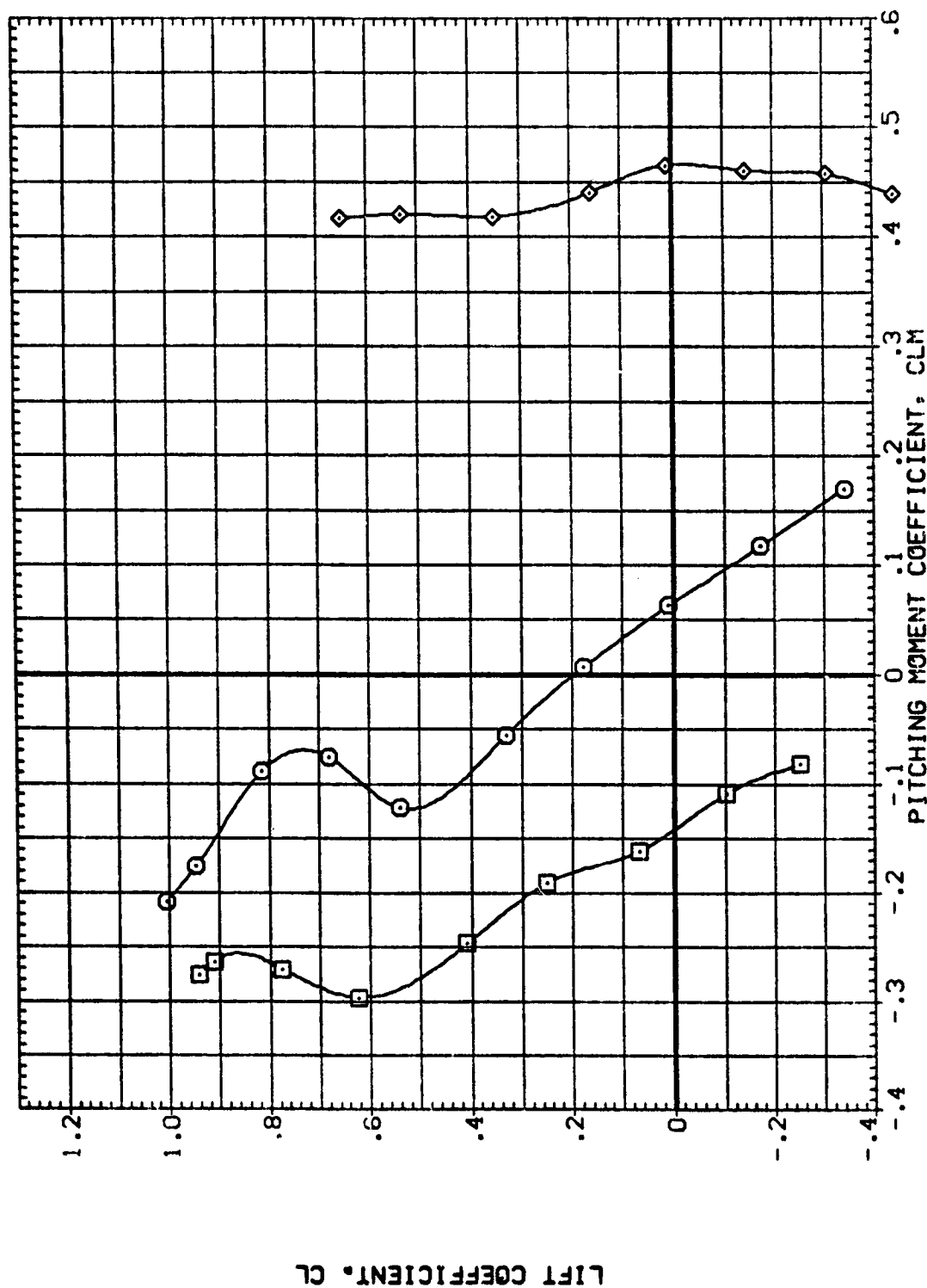


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.

(M)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG110) VS B2 I  
 (ZAG003) VS B2 I  
 (ZAG123) VS B2 I

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

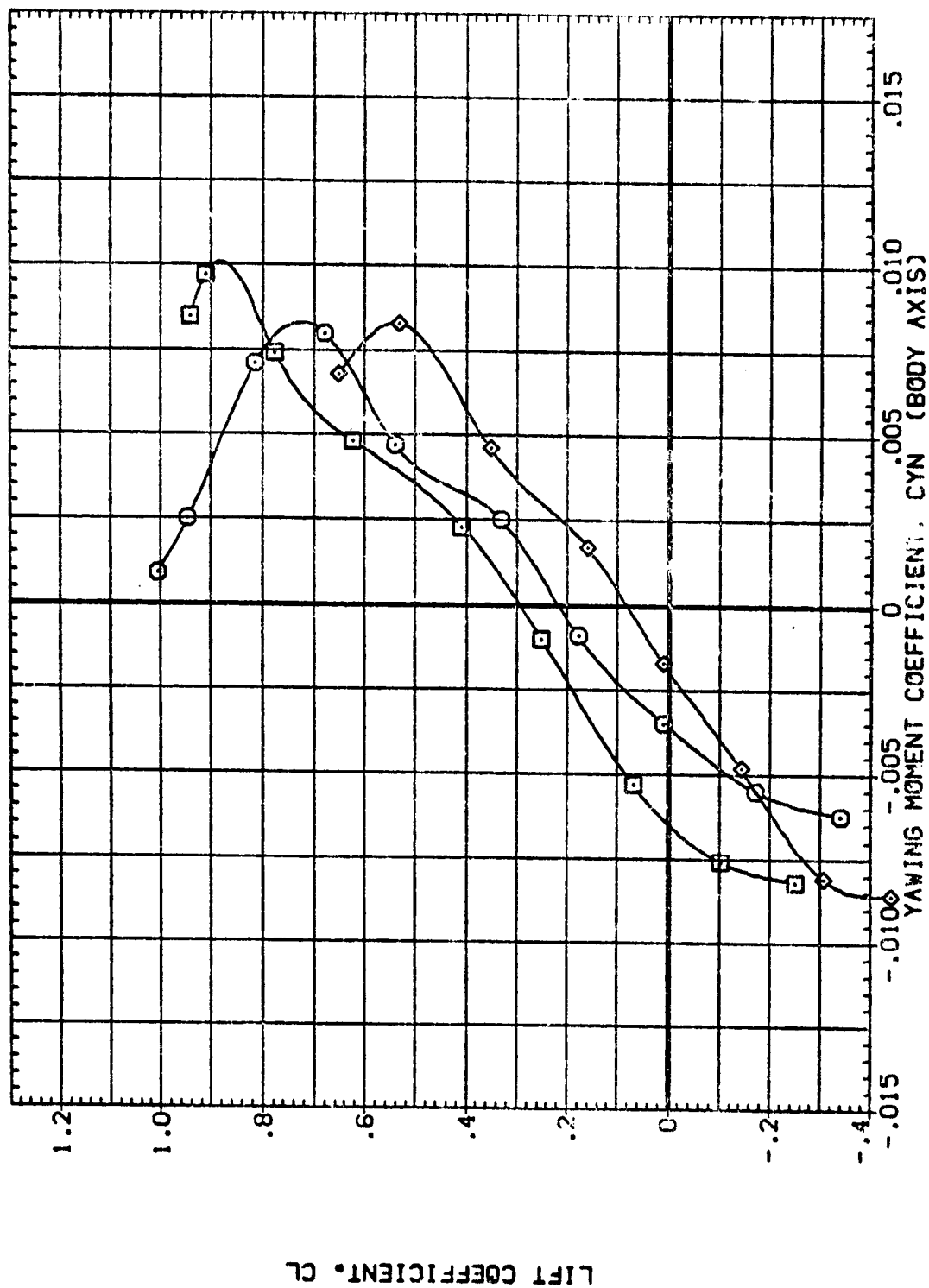


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.

(C)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (SAG110) VS B2 ↑  
 (ZAG003) VS B2 ↑  
 (ZAG129) VS B2 ↑

AIR-L AIR-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

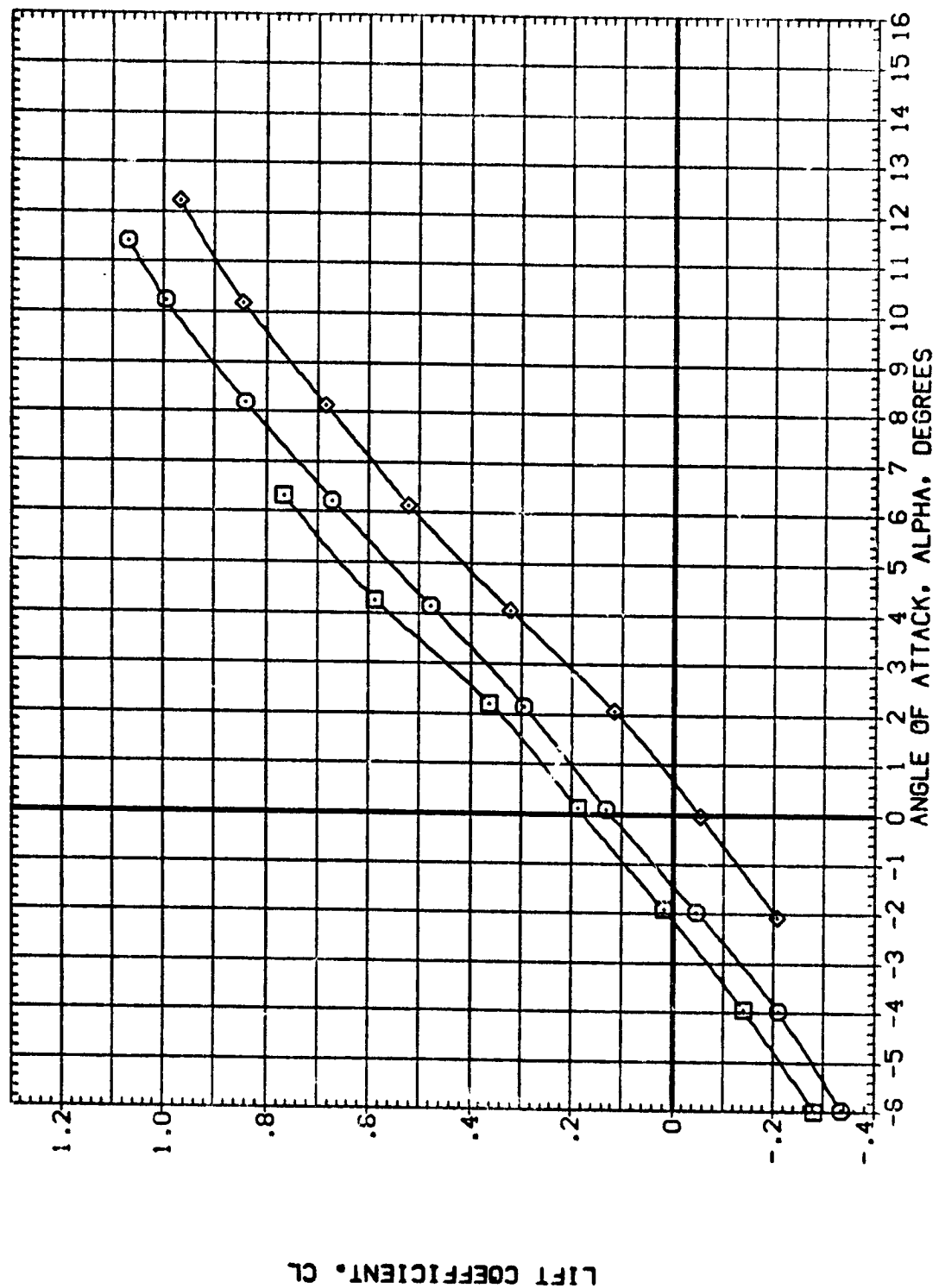


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.

(M)MACH = 1.05

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) V5 B2 T  
 (ZAG003) V5 B2 T  
 (ZAG129) V5 B2 T

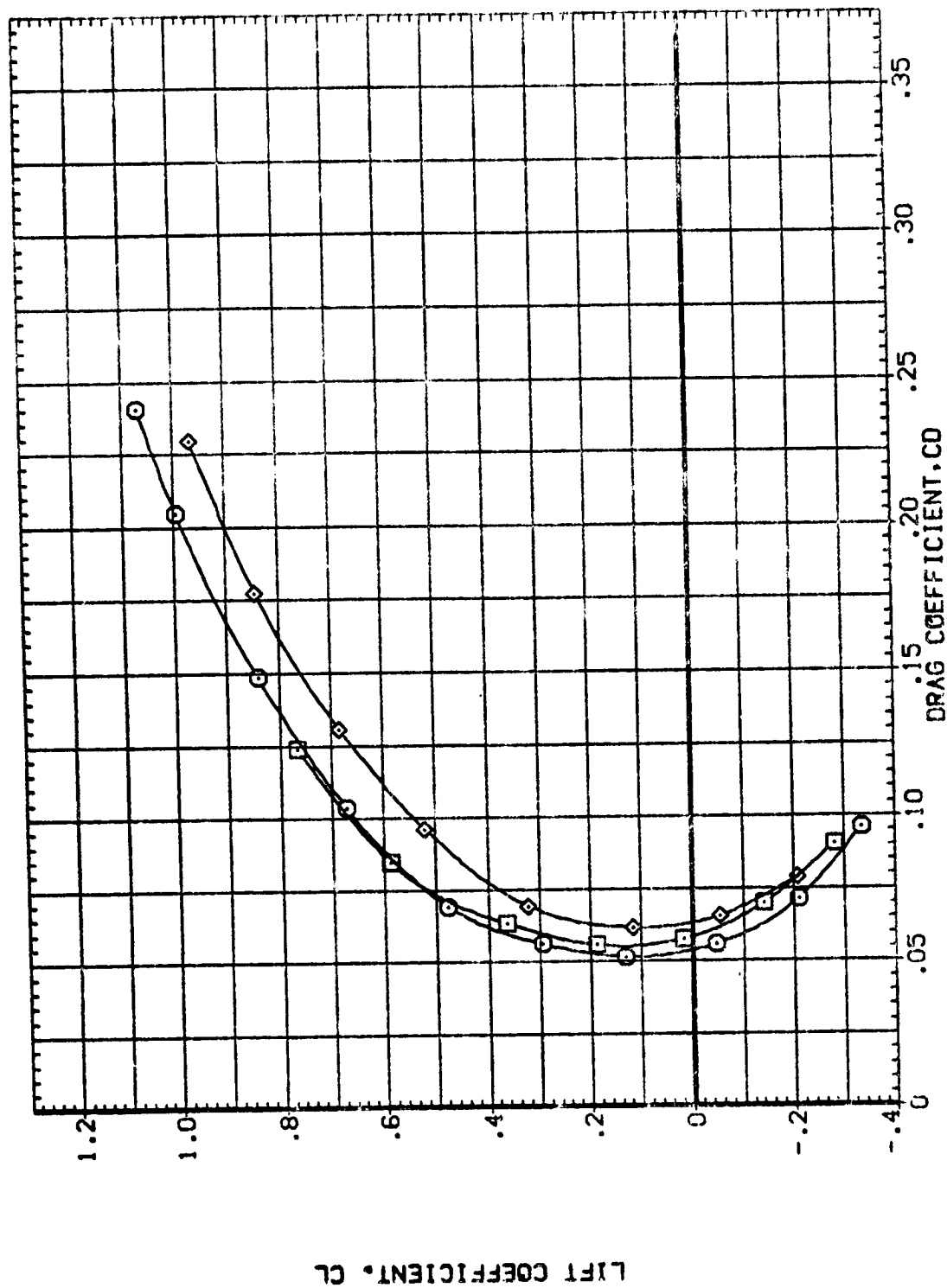


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (CD)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) V5 B2 T  
 (ZAG003) V5 B2 T  
 (ZAG123) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 2.500 .000  
 .000 -5.000

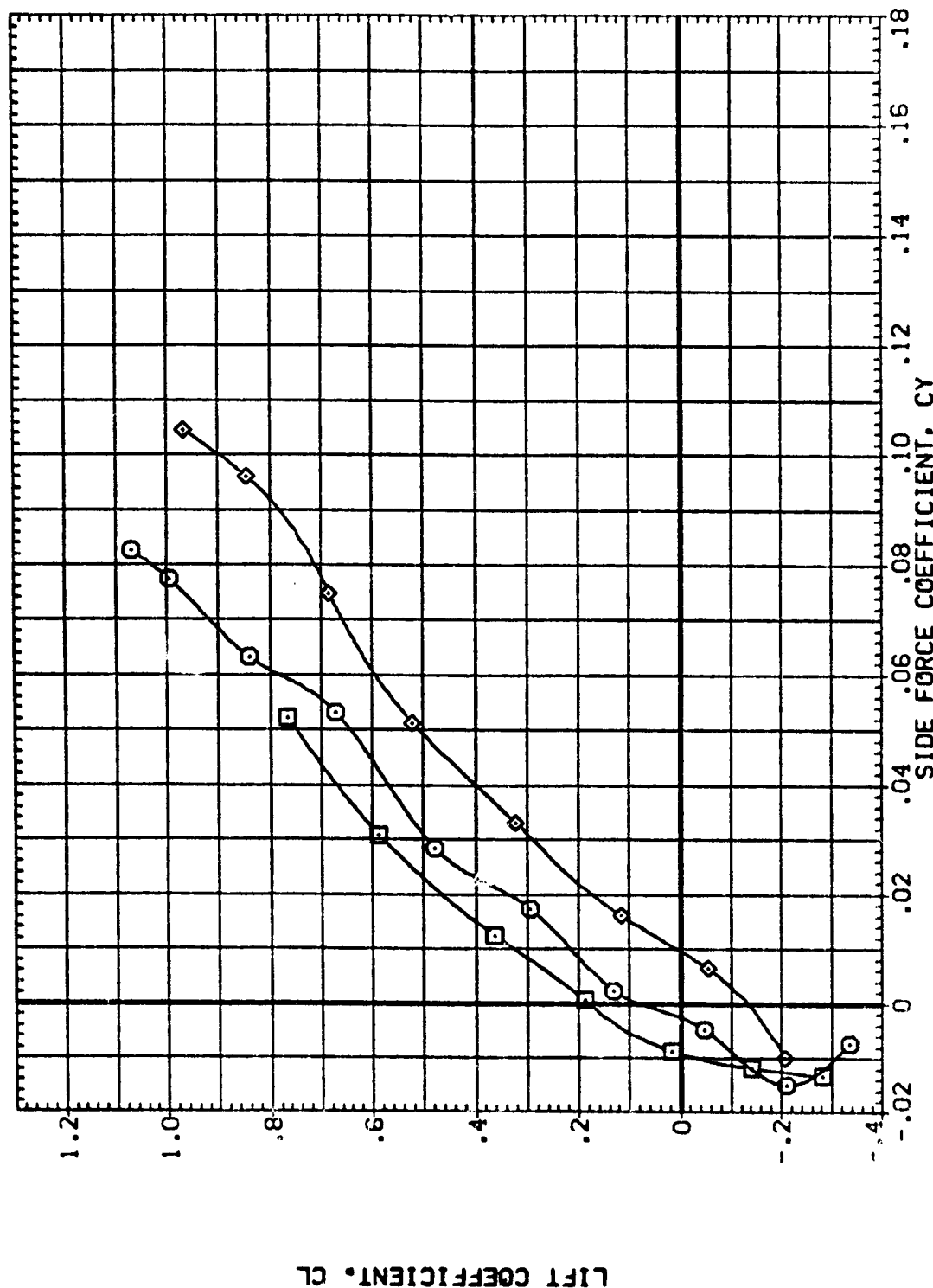


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.

(M)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BAG110) V5 B2 T  
 (ZAG003) V5 B2 T  
 (ZAG129) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

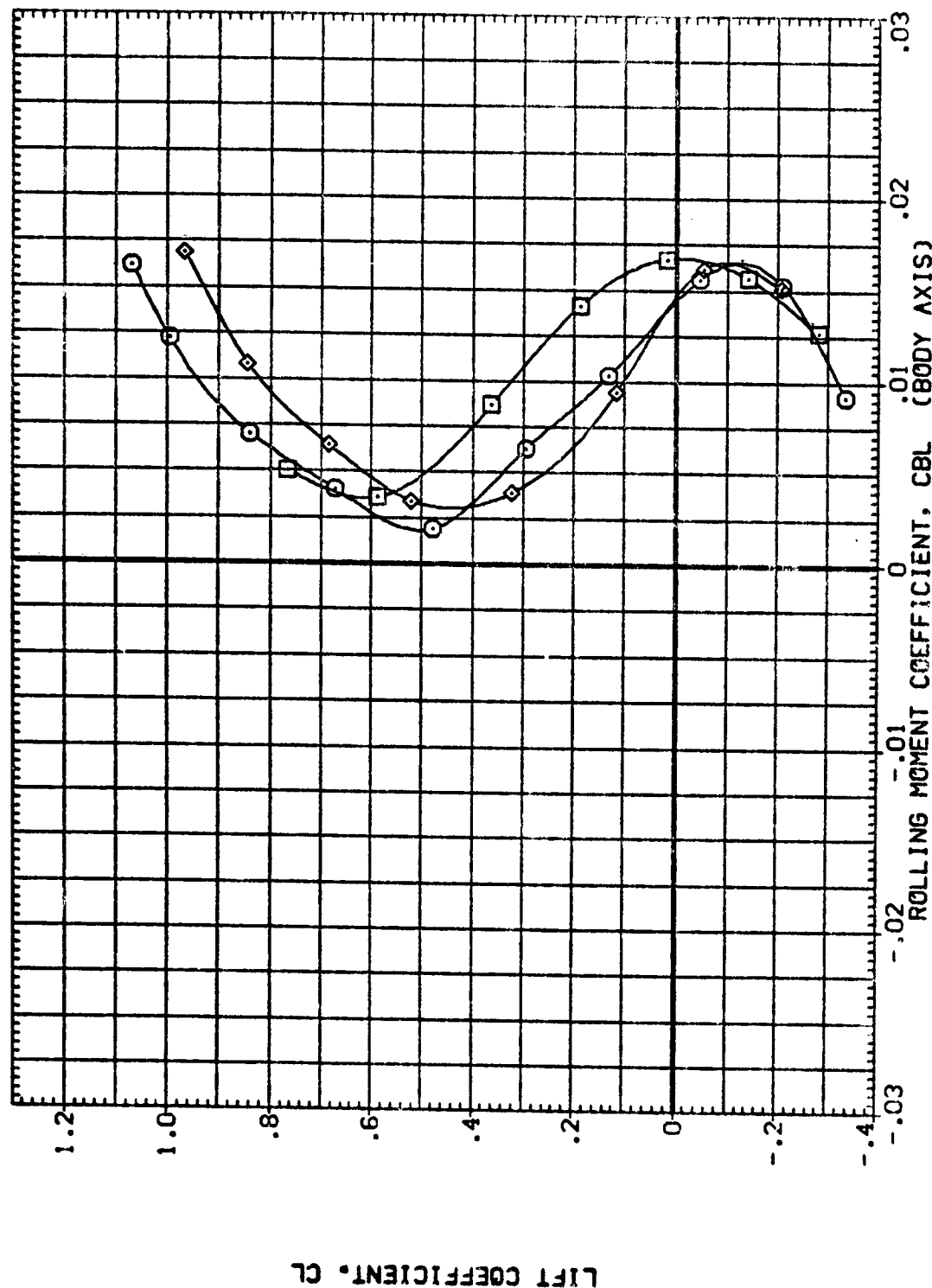


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (E)MACH = 1.05



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (SAG110) VS B2 T  
 (ZAG003) VS B2 T  
 (ZAG125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 2.508 .000  
 .000 -5.000

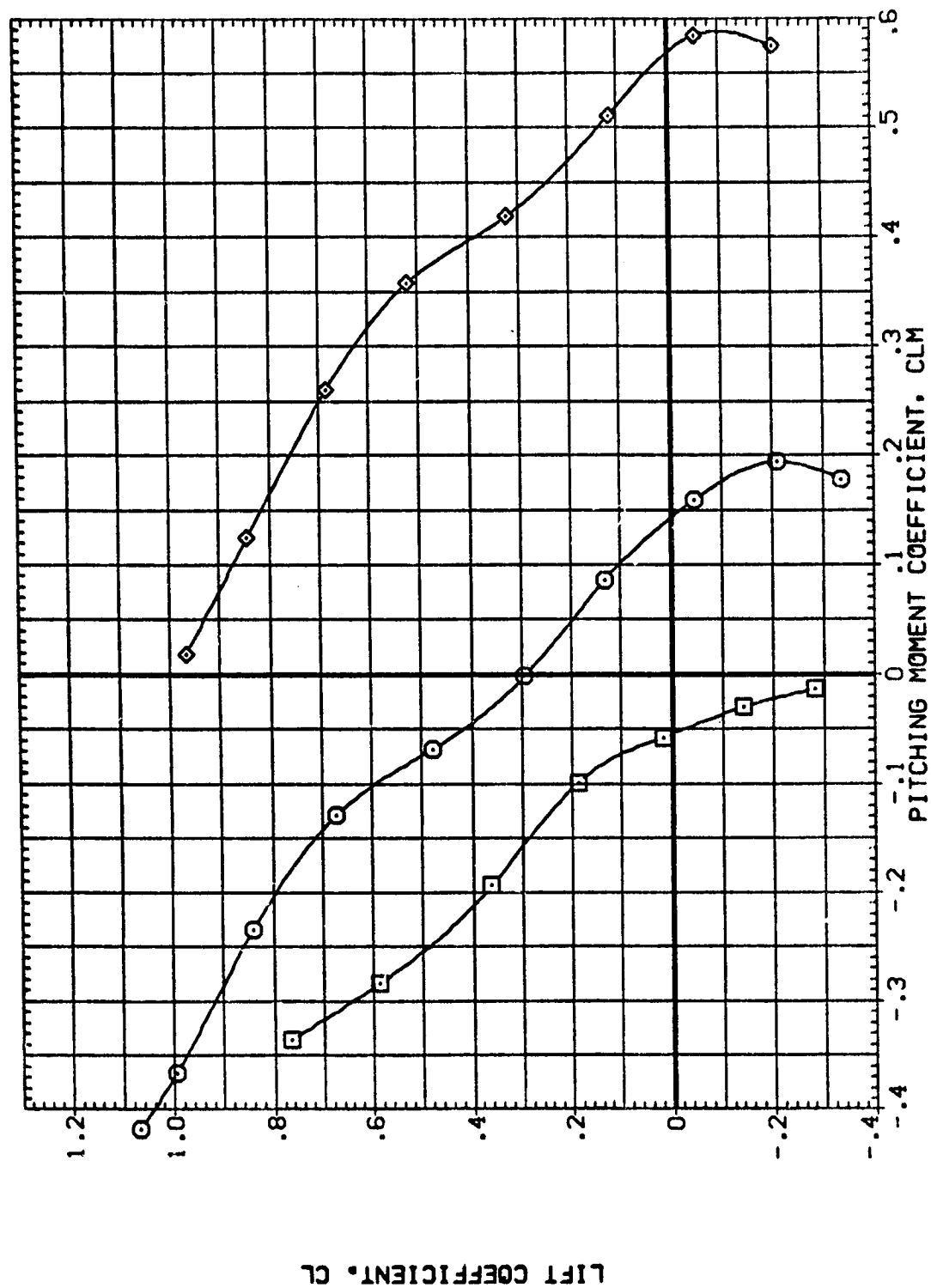


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.

(E)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (BA0110) VS B2 T  
 (ZAG003) VS B2 T  
 (ZAG128) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

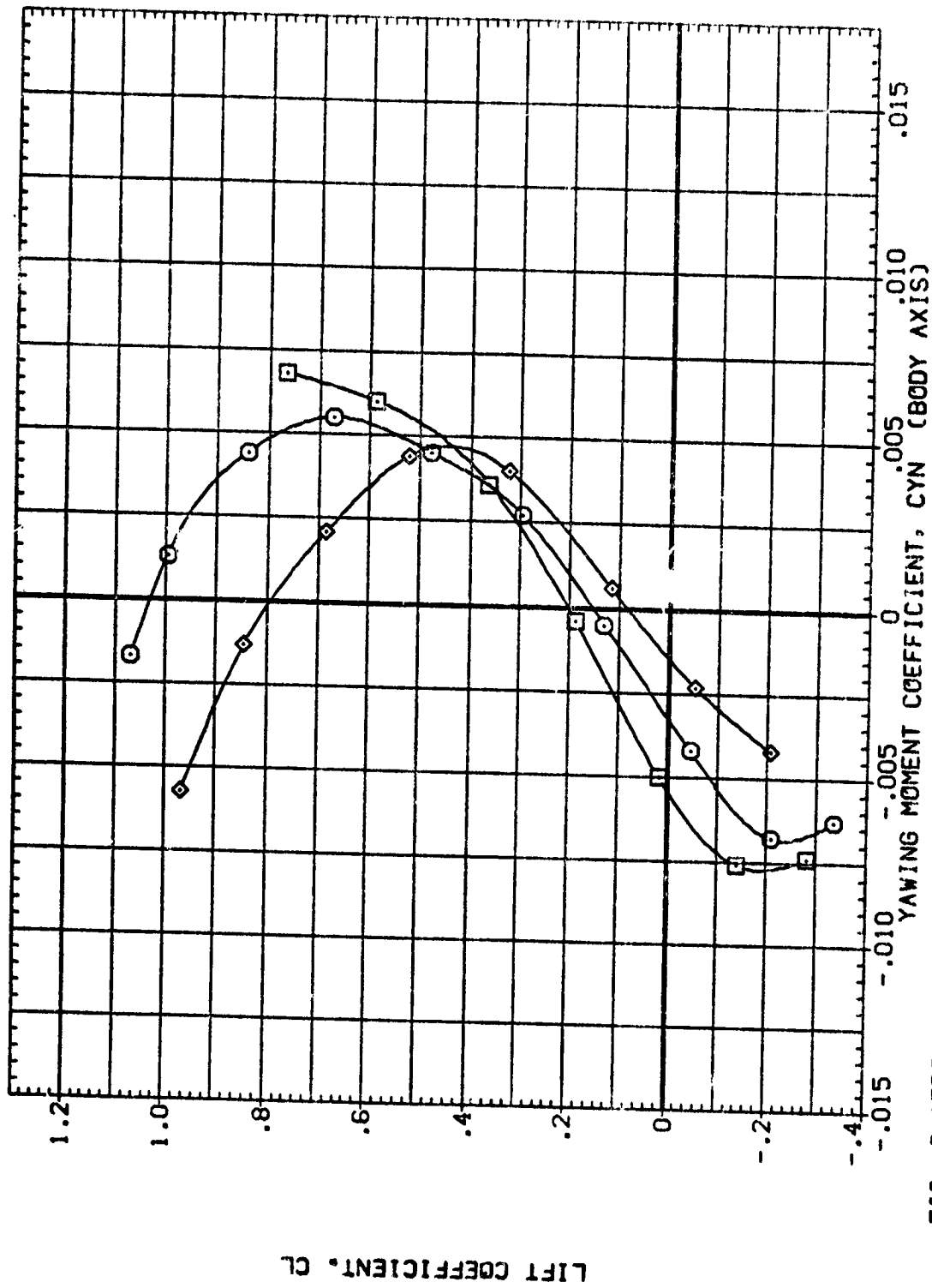


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 45.0 DEG.  
 (M)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115)  
(ZAG124)  
(ZAG125)

VS B2 I  
VS B2 I  
VS B2 I

AIL-L AIL-R MORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

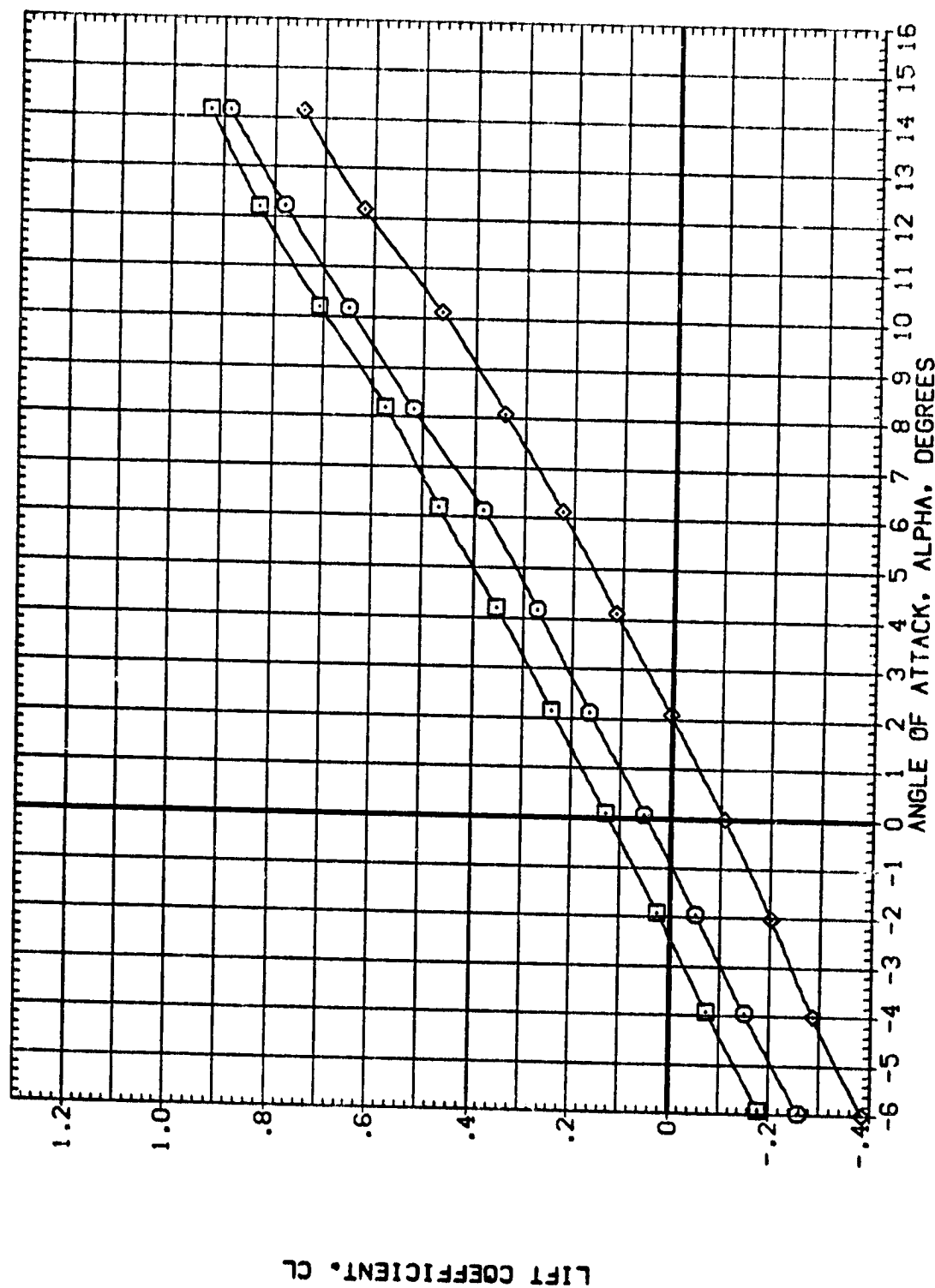


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
(M)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) VS B2 T  
(ZAG124) VS B2 T  
(ZAG125) VS B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

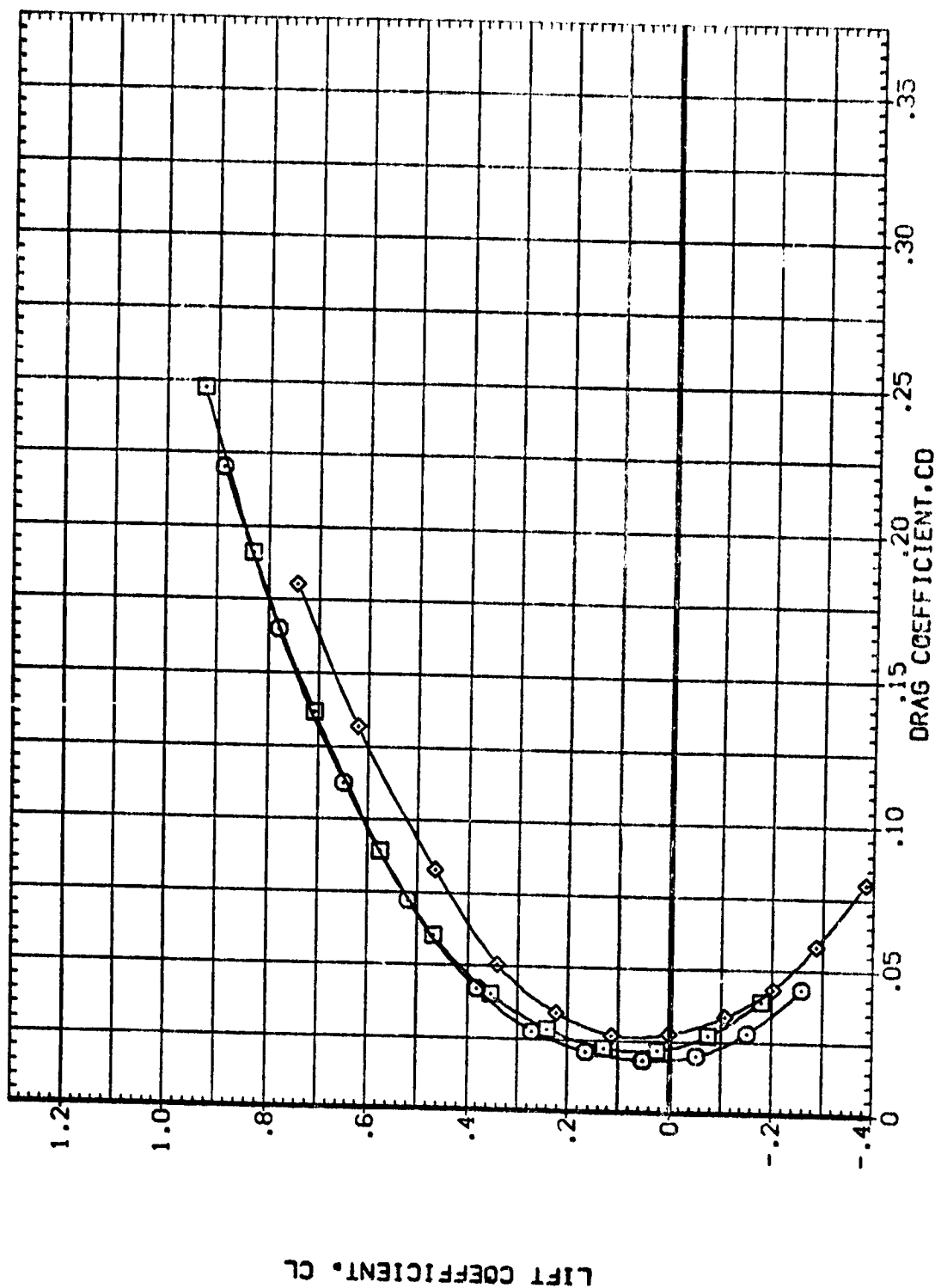


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
(M)MACH = .80

AIL-L    AIL-R    HORIZT  
 .000    .000    .000  
 .000    .000    2.500  
 .000    .000    -5.000

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (ZAG115)    VS B2 T  
 (ZAG124)    VS B2 T  
 (ZAG125)    VS B2 T

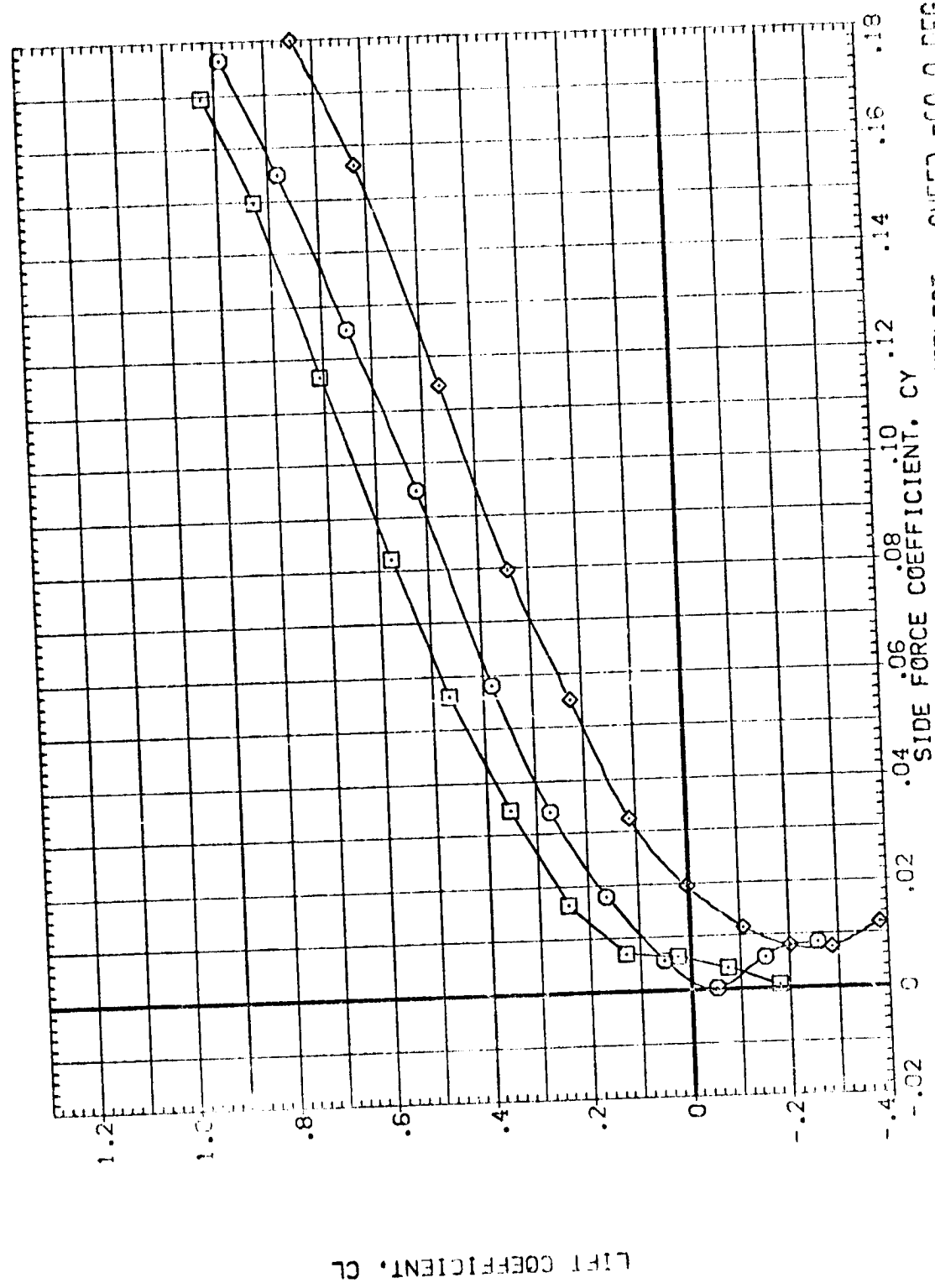


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 CALMACH = .90  
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DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (ZAG124) V5 B2 T  
 (ZAG125) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

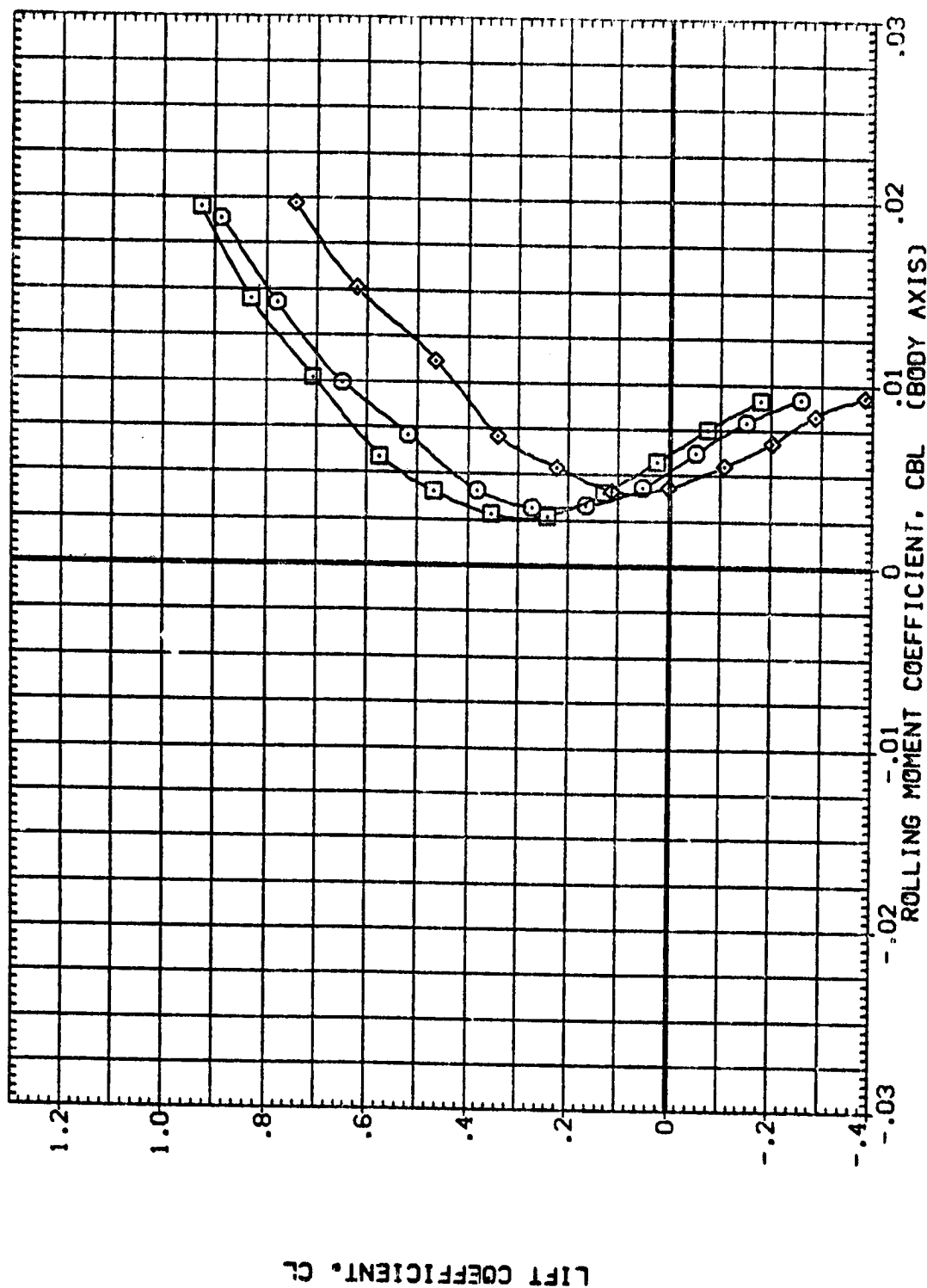


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (A)MACH = .80

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (ZAG115)    VS B2 T  
 (ZAG124)    VS B2 T  
 (ZAG125)    VS B2 T

AIL-L    AIL-R    HORIZT  
 .000    .000    .000  
 .000    .000    2.500  
 .000    .000    -5.000

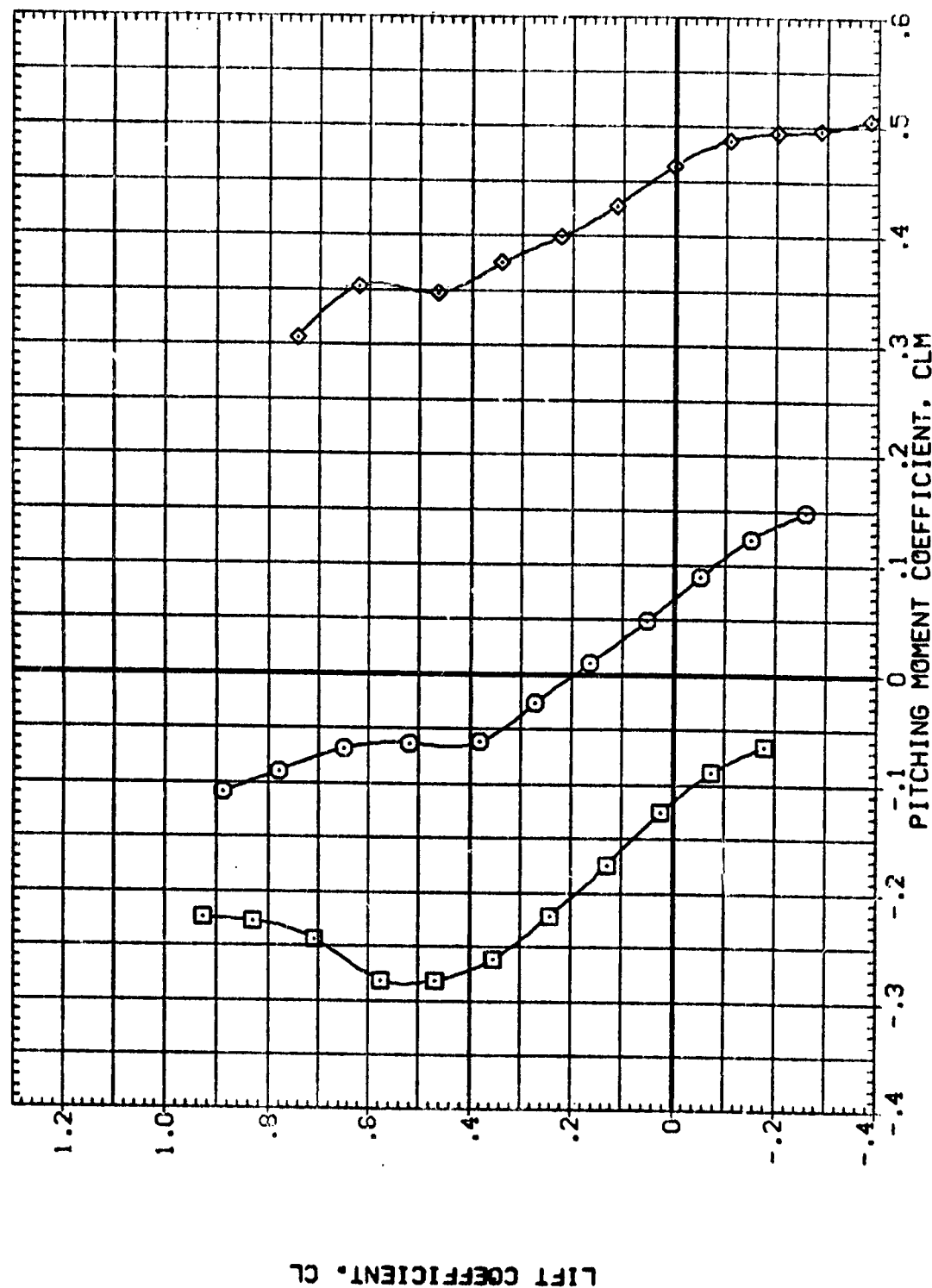


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (MACH = .80)

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (ZAG115)    VS B2 T  
 (ZAG124)    VS B2 T  
 (ZAG125)    VS B2 T

AIL-L    AIL-R    HORIZT  
 .000    .000    .000  
 .000    .000    2.500  
 .000    .000    -5.000

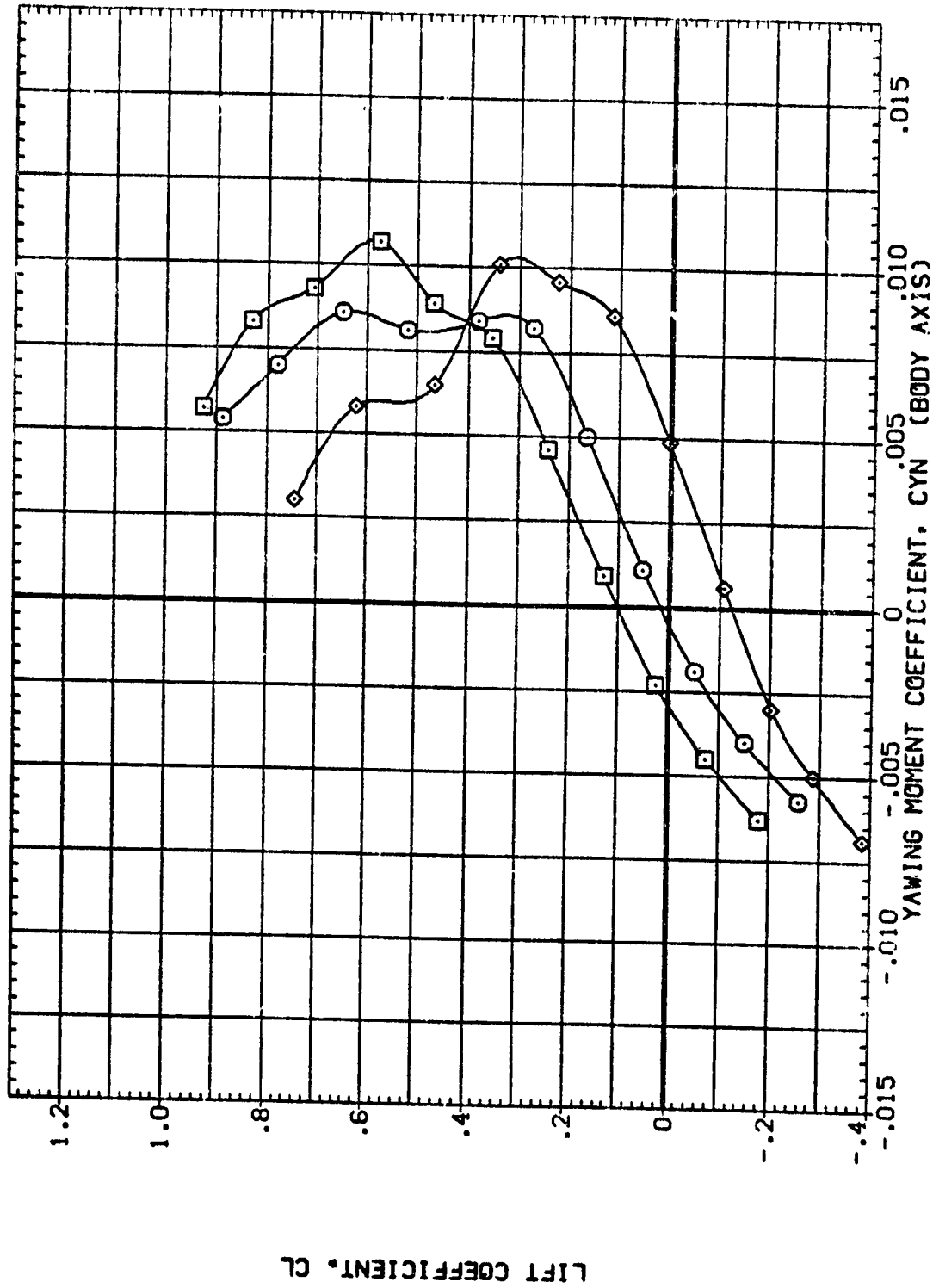


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (M)MACH = .80



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (ZAG124) VS B2 T  
 (ZAG125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

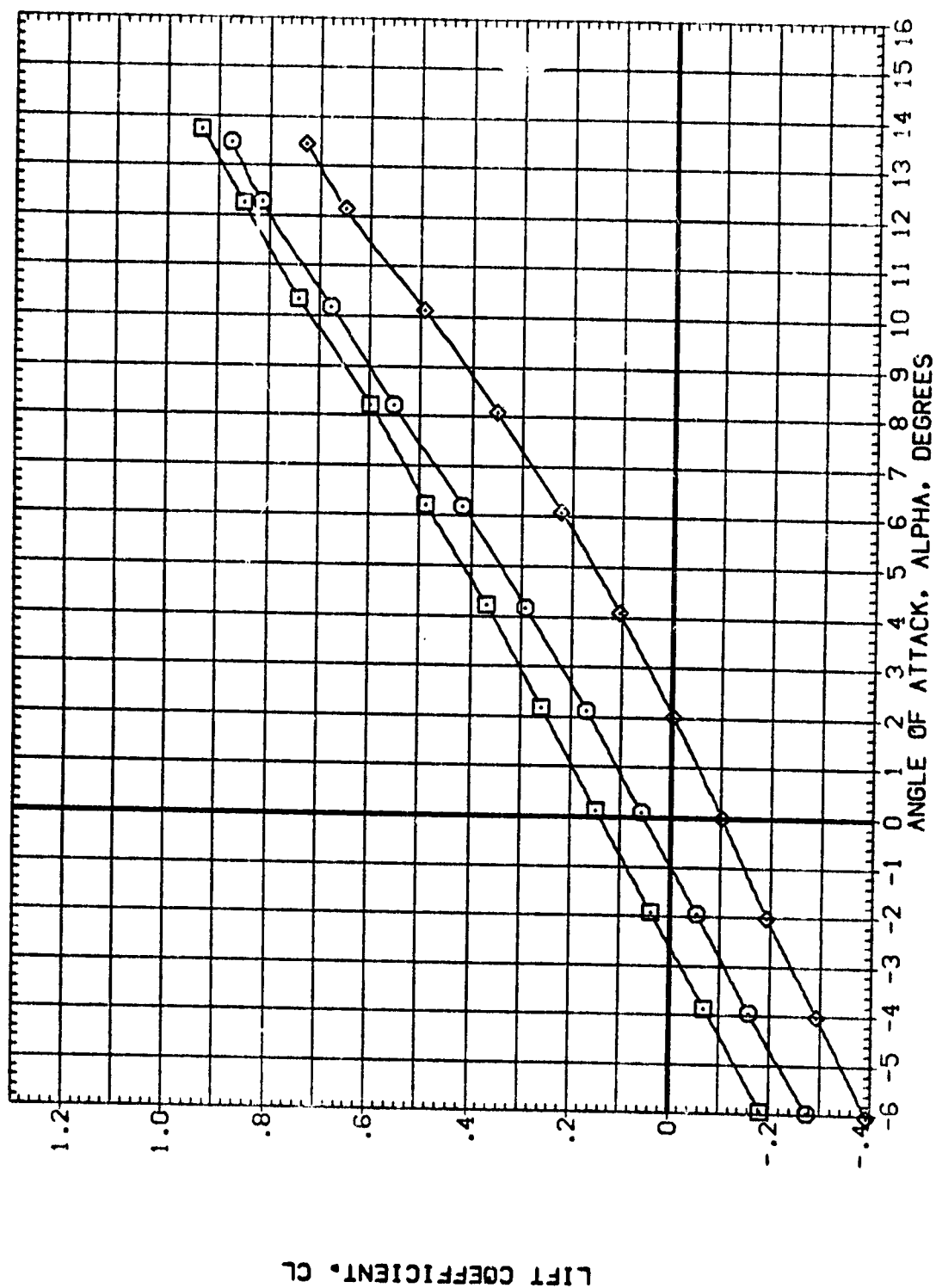


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (ZAG124) VS B2 T  
 (ZAG125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

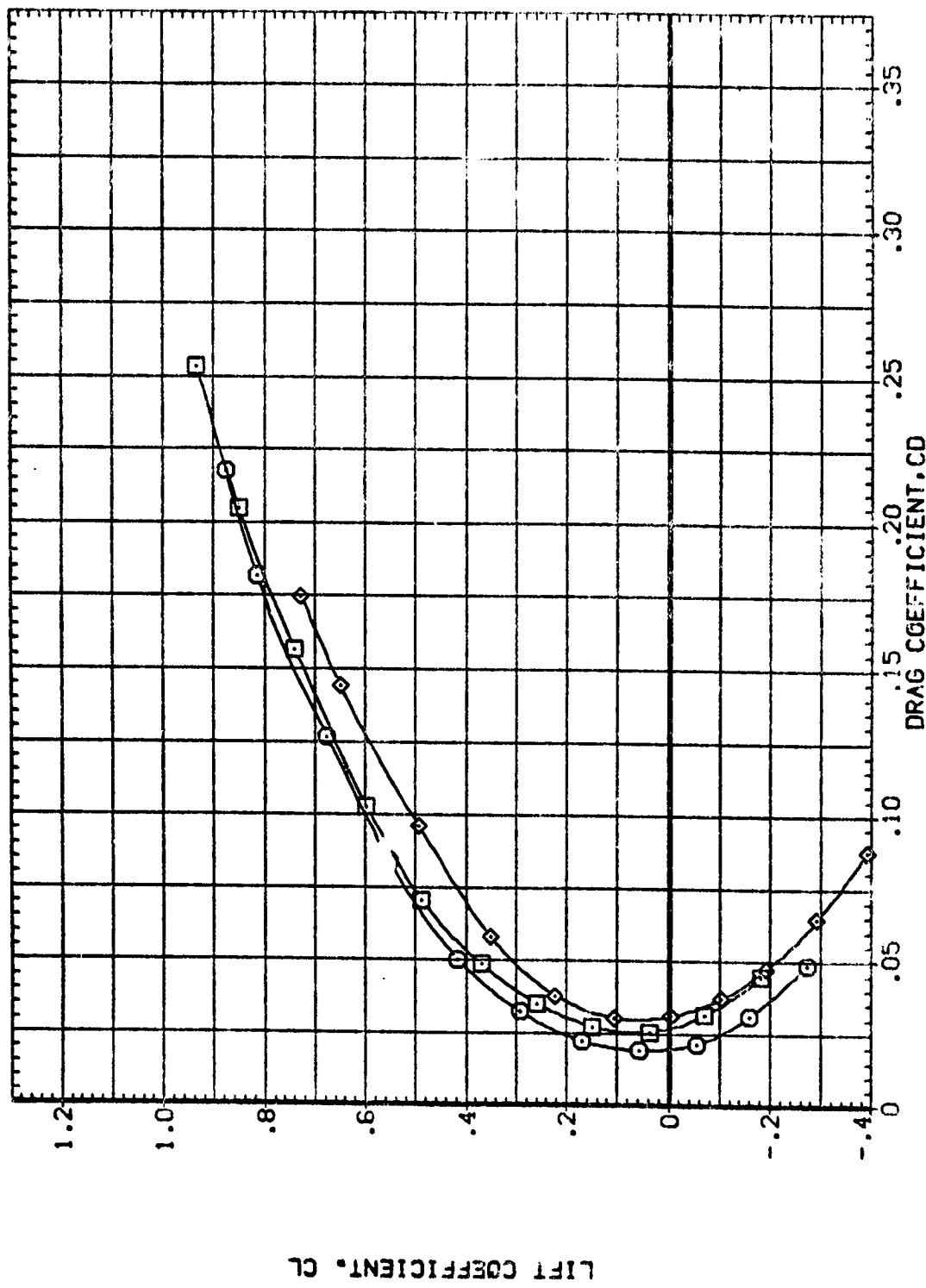


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (B)MACH = .95 PAGE 232

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (ZAG124) VS B2 T  
 (ZAG125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

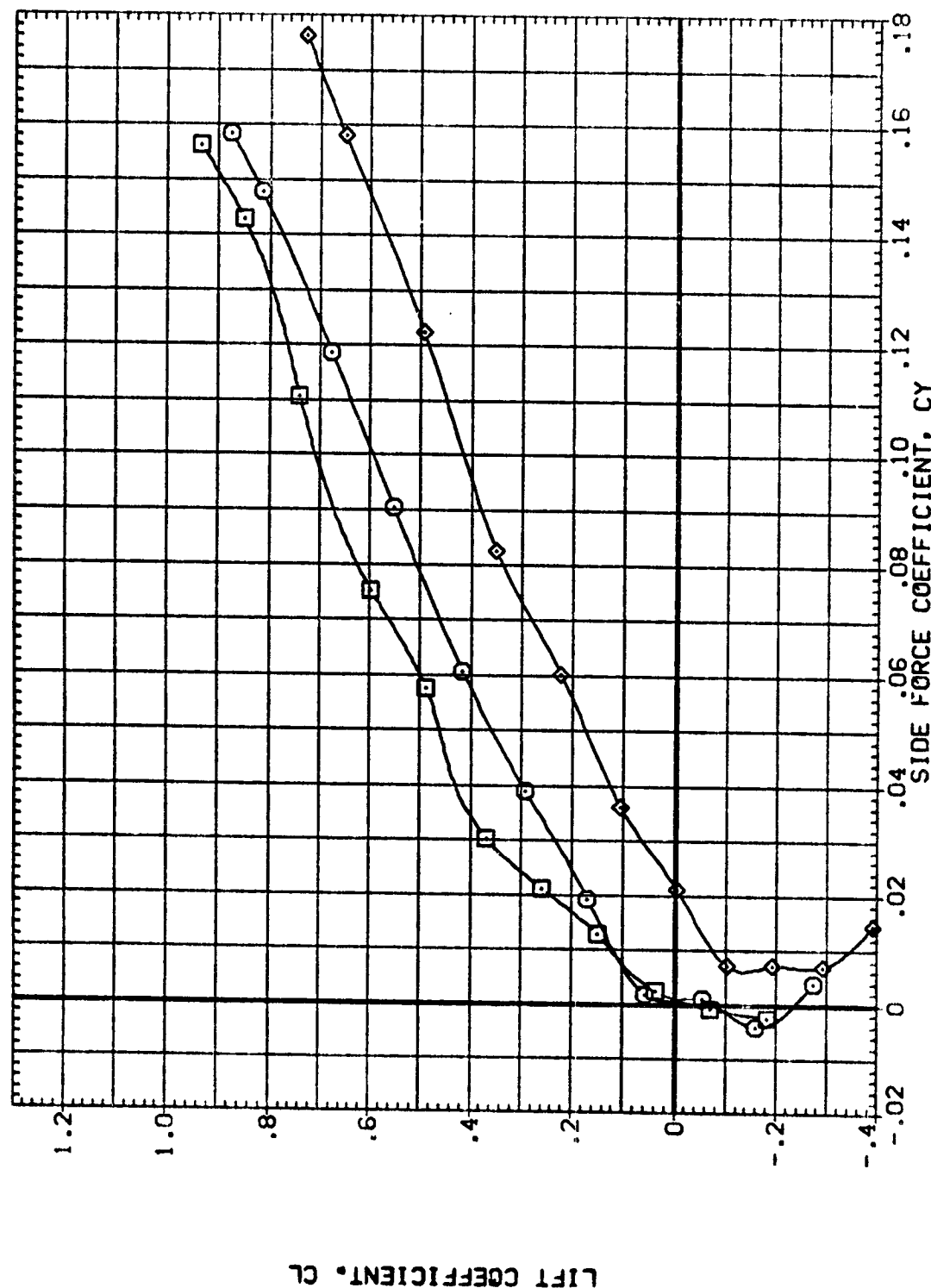


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (9)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (ZAG124) V5 B2 T  
 (ZAG125) V5 B2 T

AIR-L AIR-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

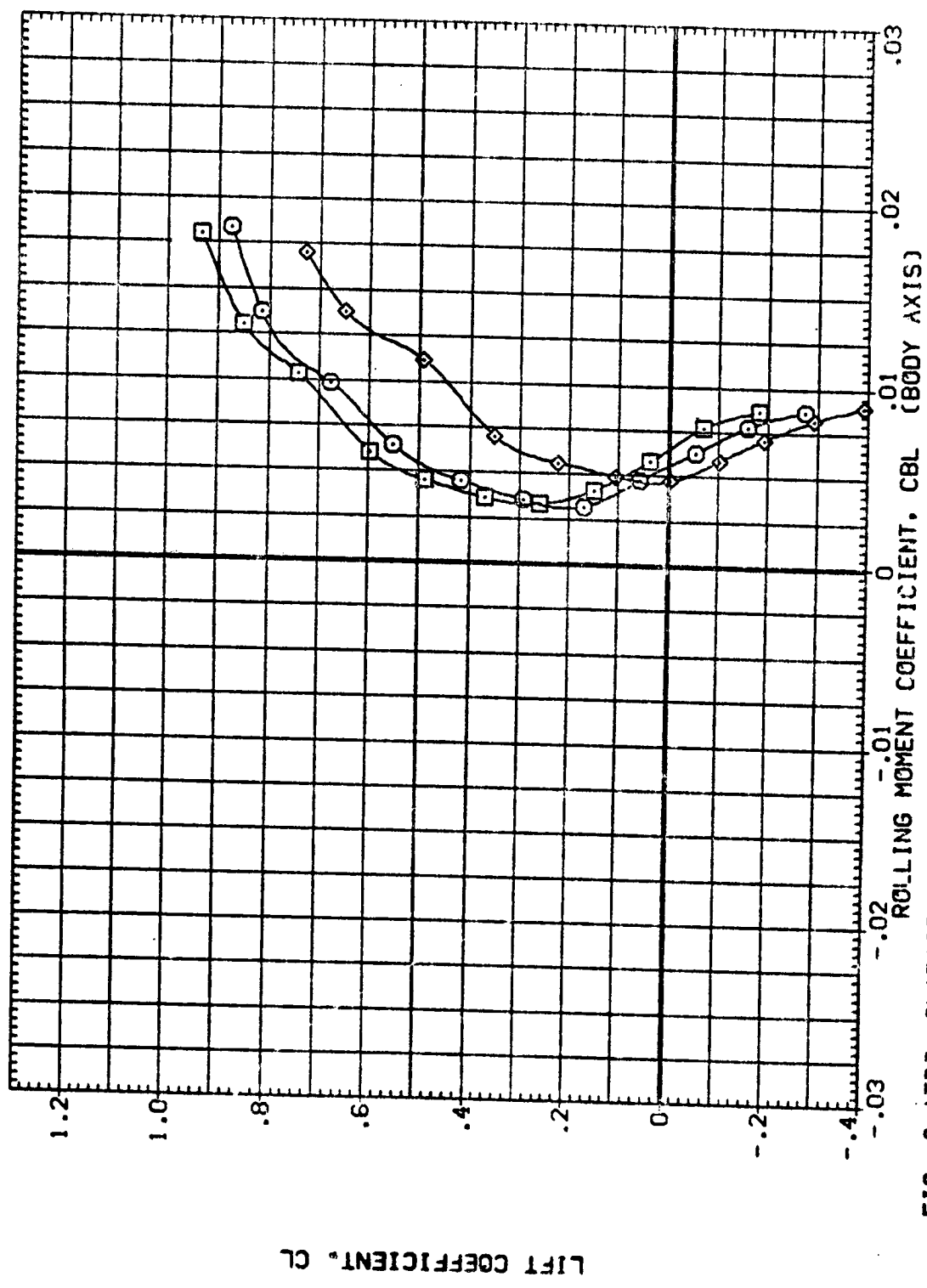


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (B)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (ZAG124) VS B2 T  
 (ZAG125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

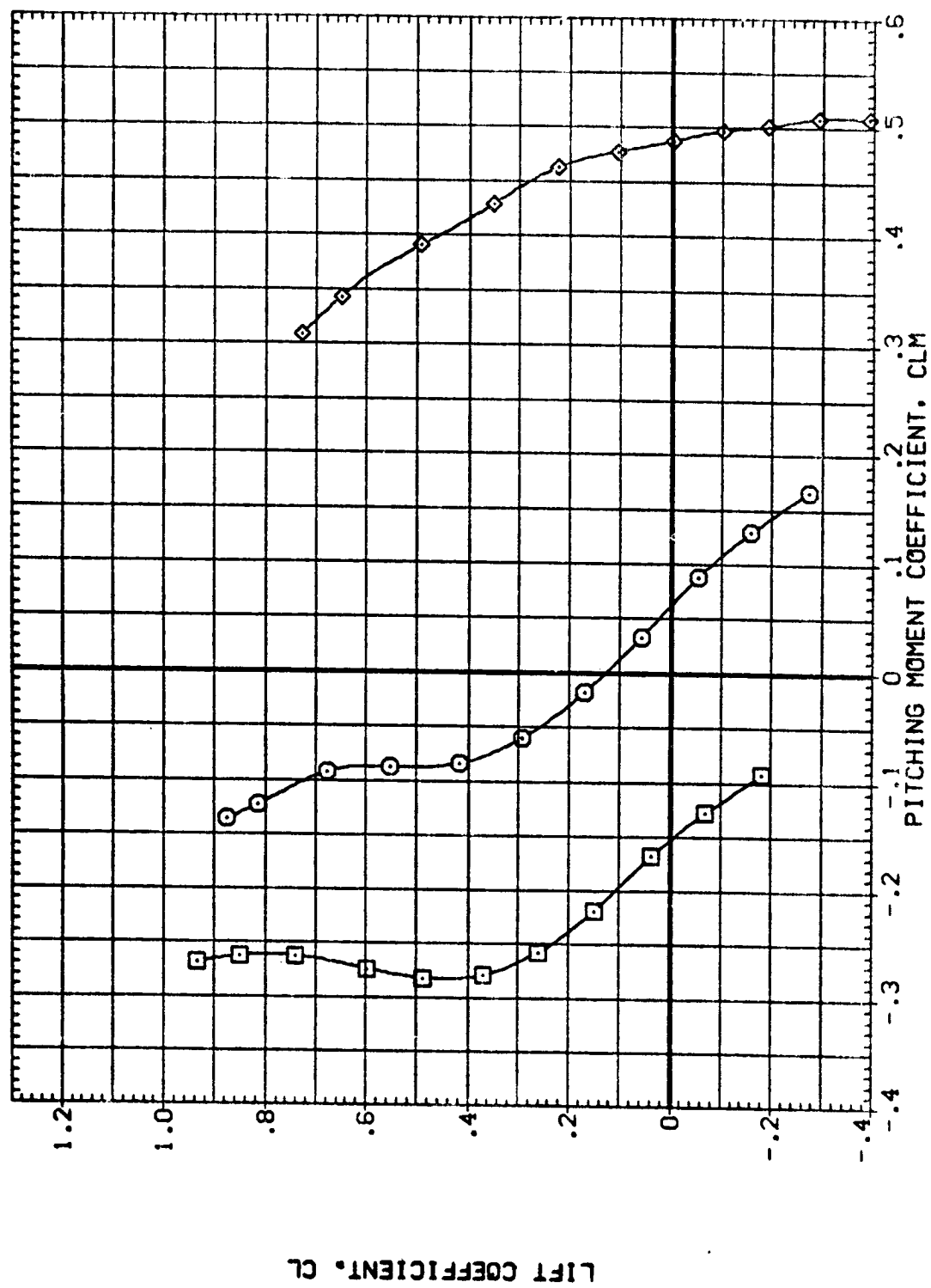


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (3)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 VS B2 I  
 VS B2 I  
 VS B2 I

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

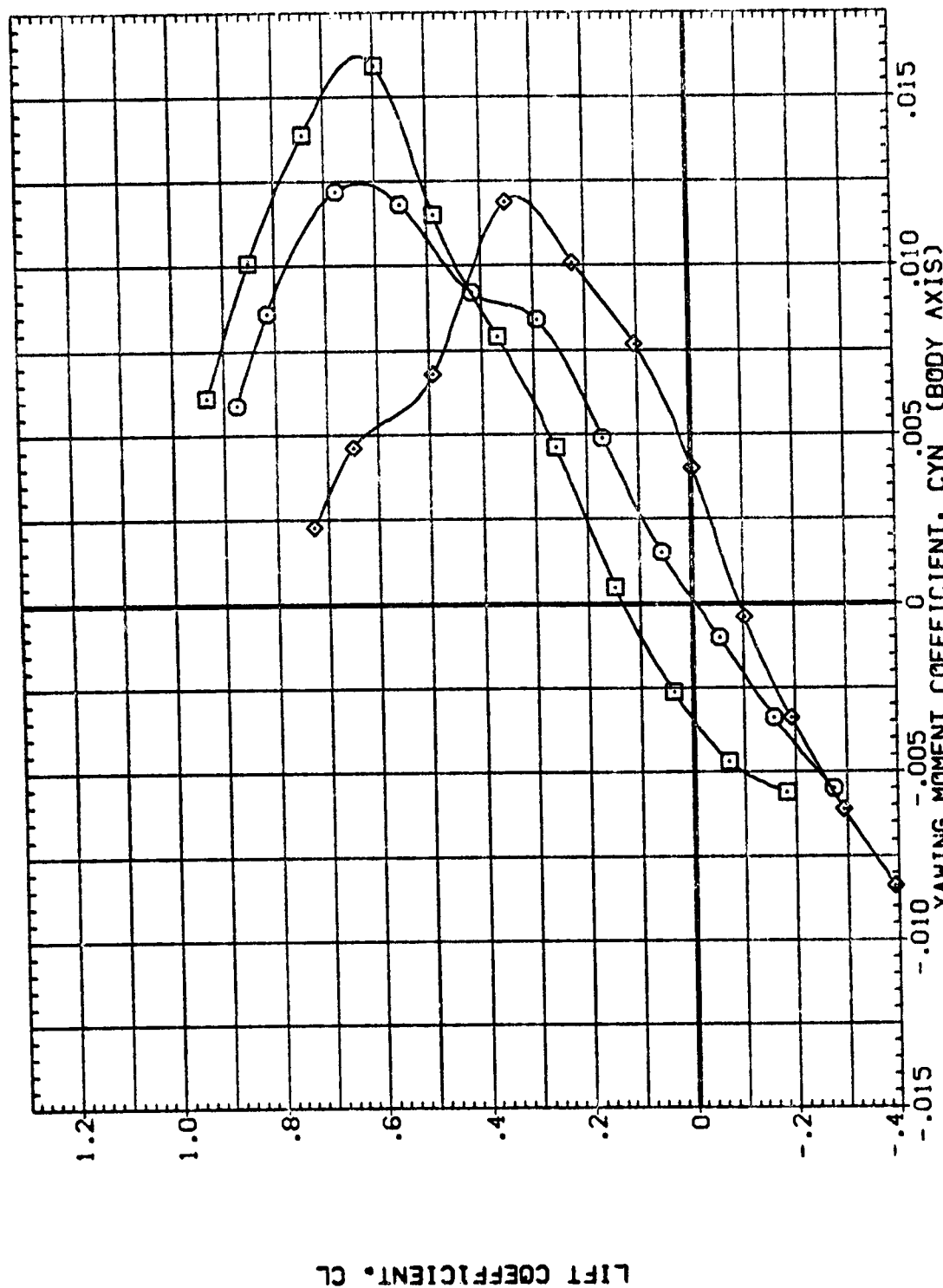


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP =60.0 DEG.  
 (B)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG.15) V5 B2 T  
 (ZAG.14) V5 B2 T  
 (ZAG.13) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

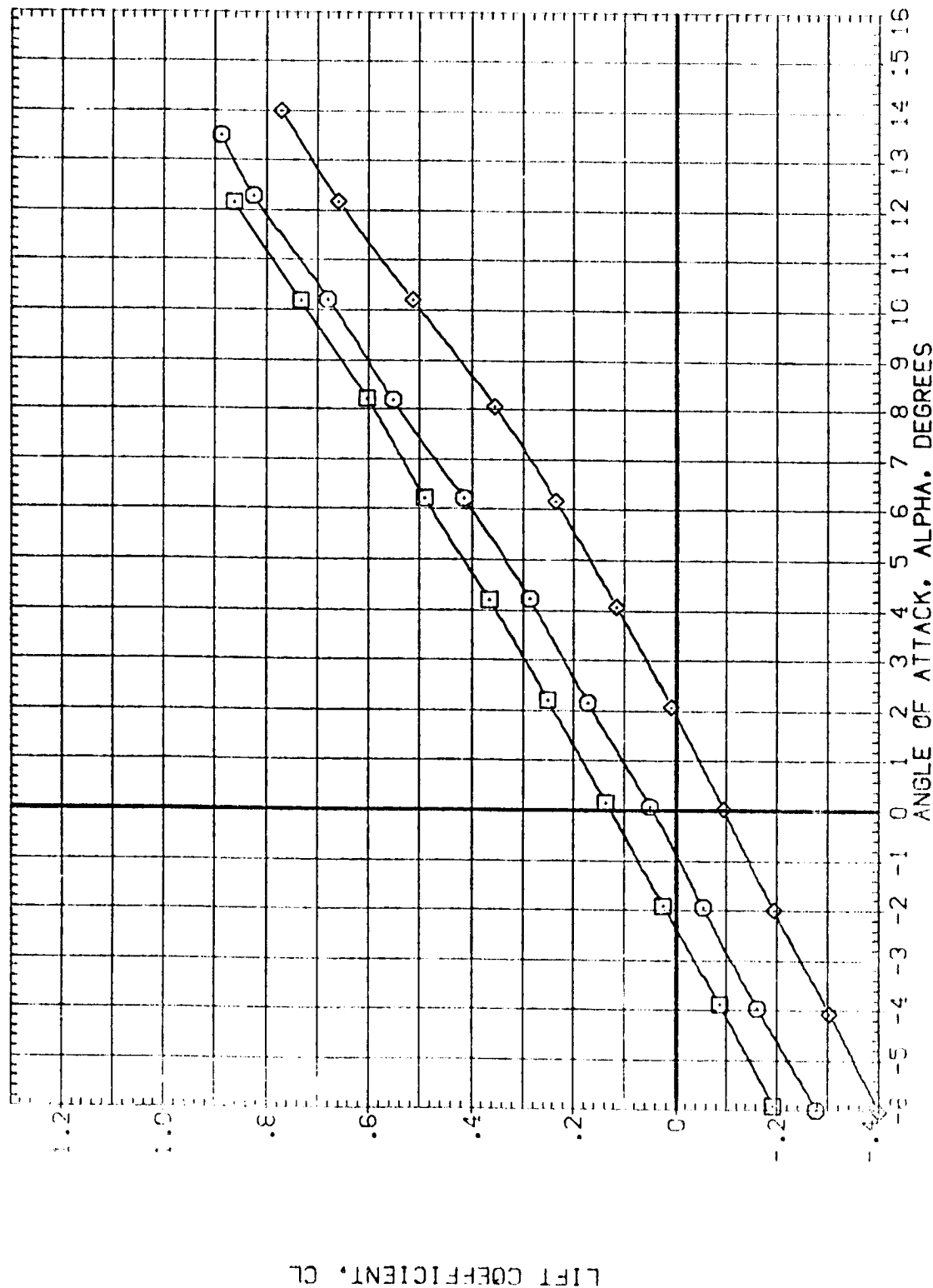


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 COVMACH = .98

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(ZAG115)    VS B2 T  
(ZAG124)    VS B2 T  
(ZAG125)    VS B2 T

AIL-L    AIL-R    HORIZT  
.000    .000    .000  
.000    .000    2.500  
.000    .000    -5.000

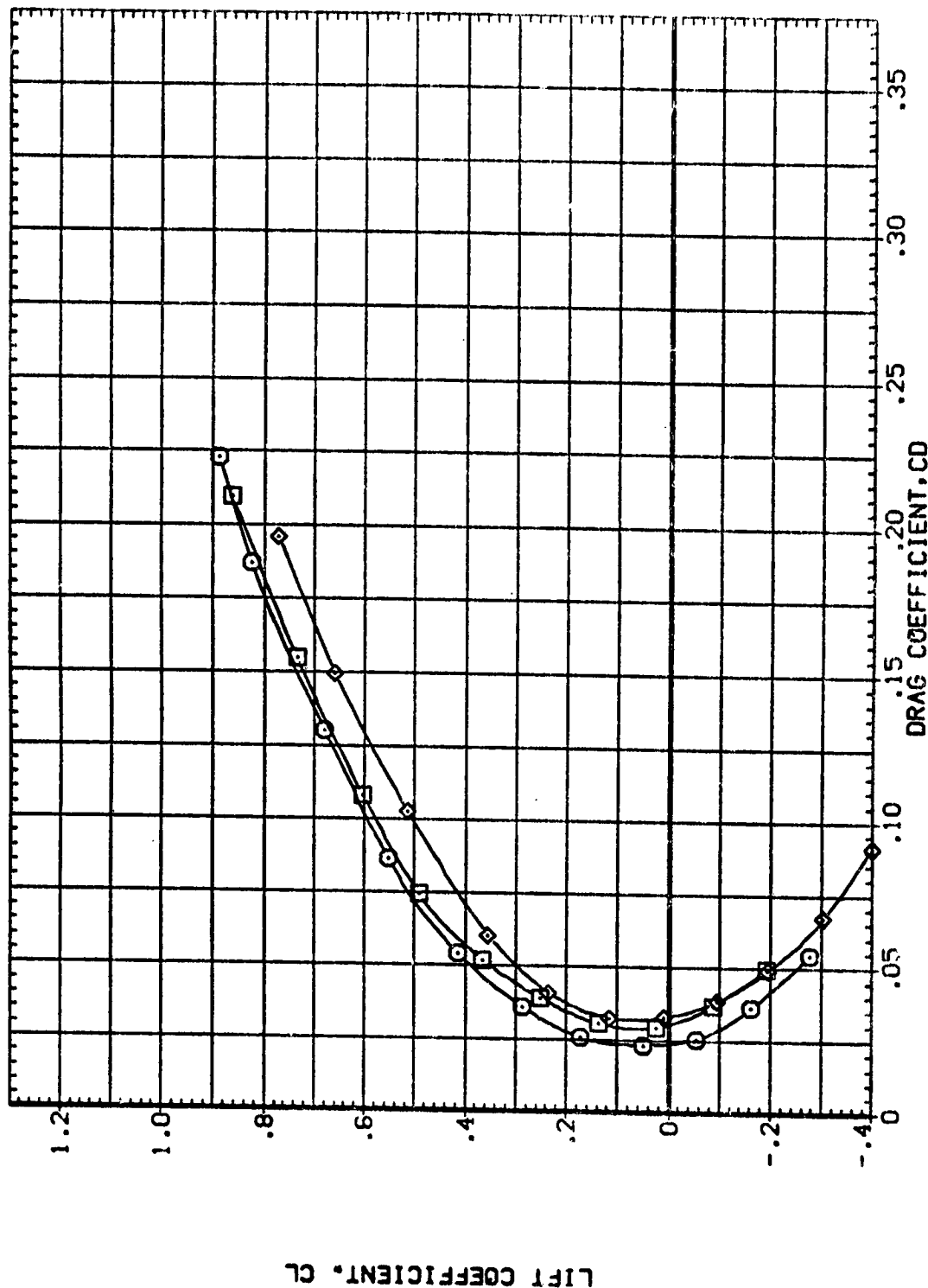


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
(COMACH = .98)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T  
(ZAG124) V5 B2 T  
(ZAG125) V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

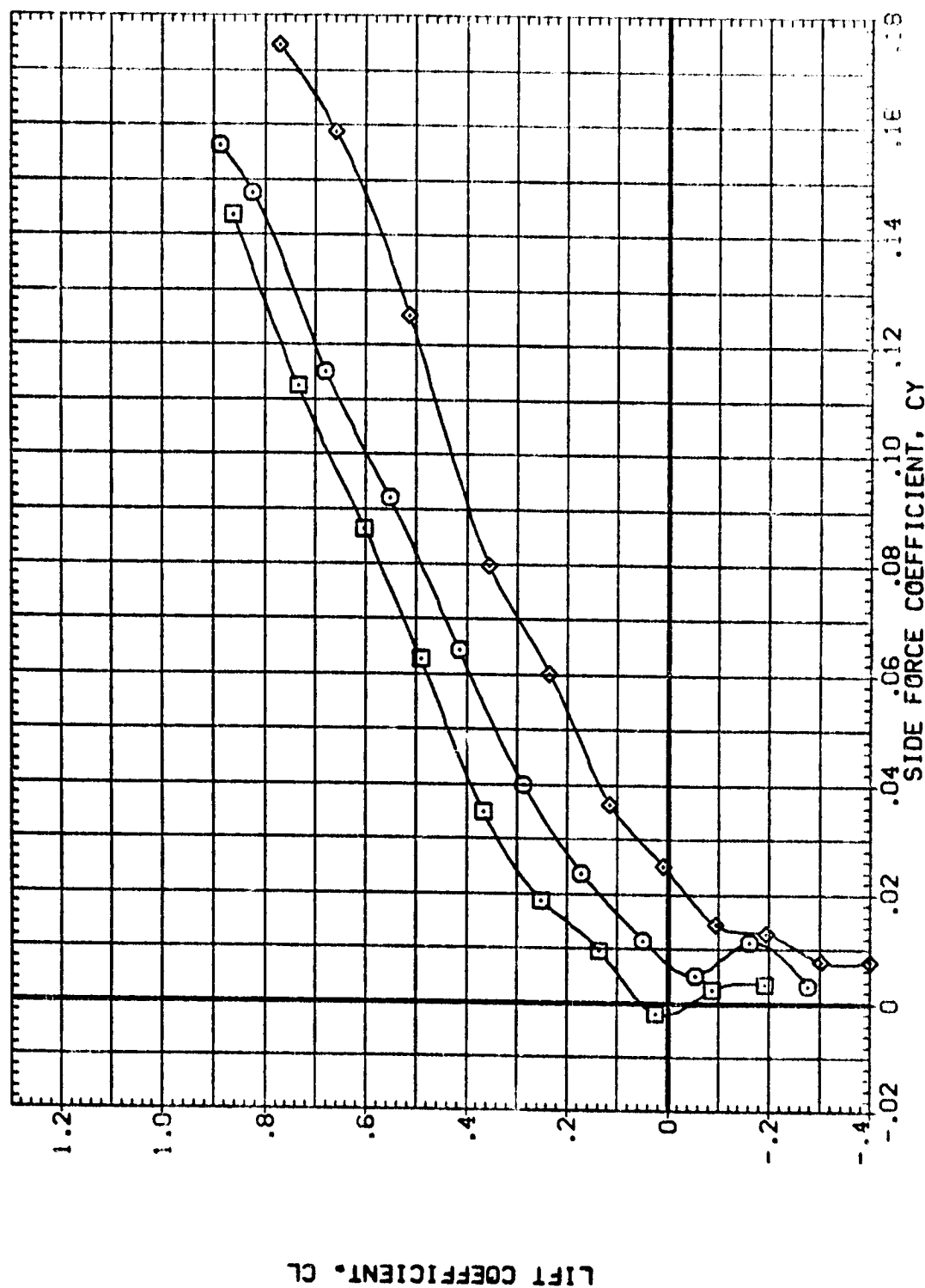


FIG. 8 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 80.0 DEG.

(C)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 I  
 (ZAG124) VS B2 I  
 (ZAG125) VS B2 I

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

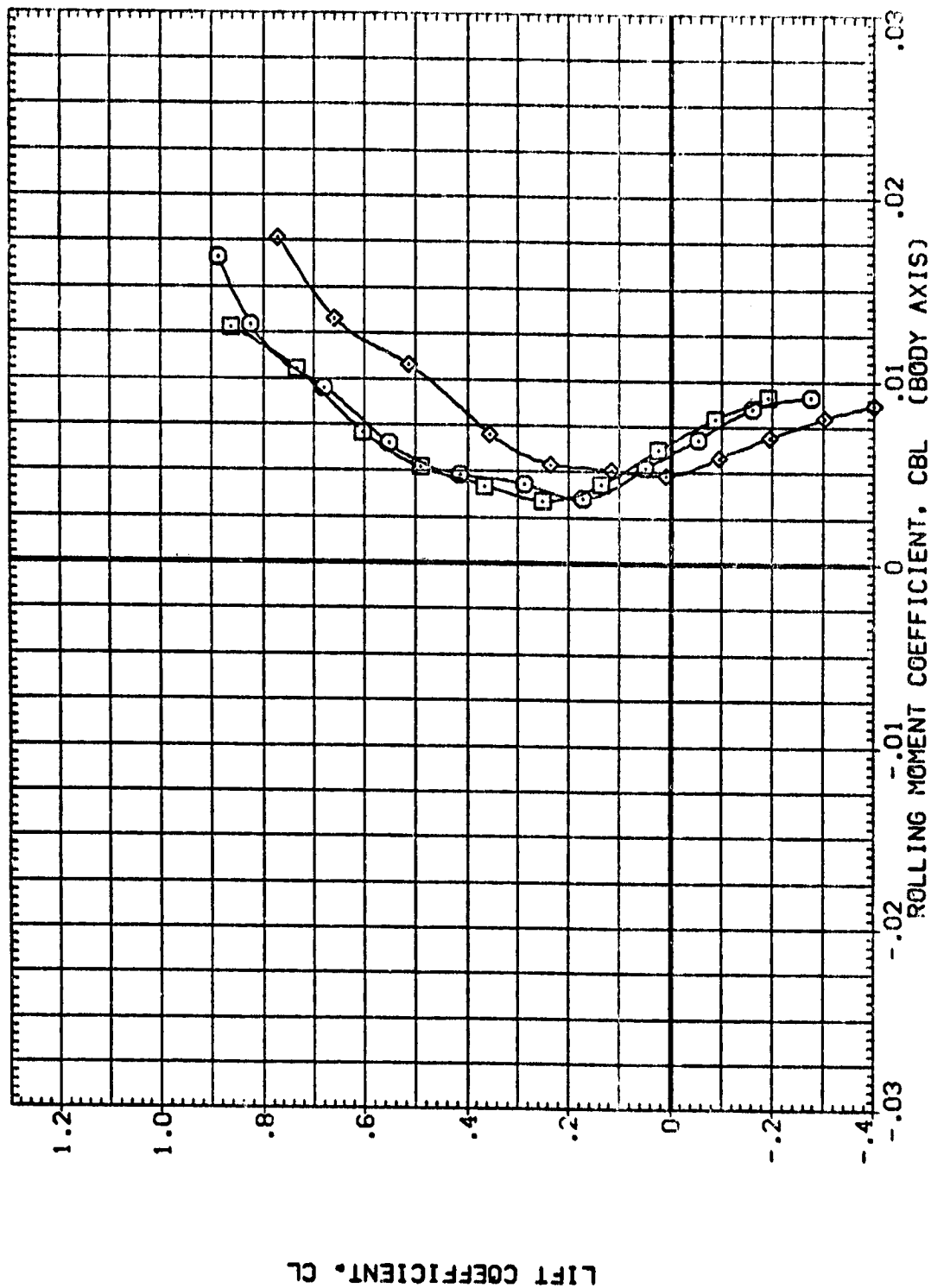


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (C)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 VS B2 T  
 VS B2 T  
 VS B2 T  
 VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

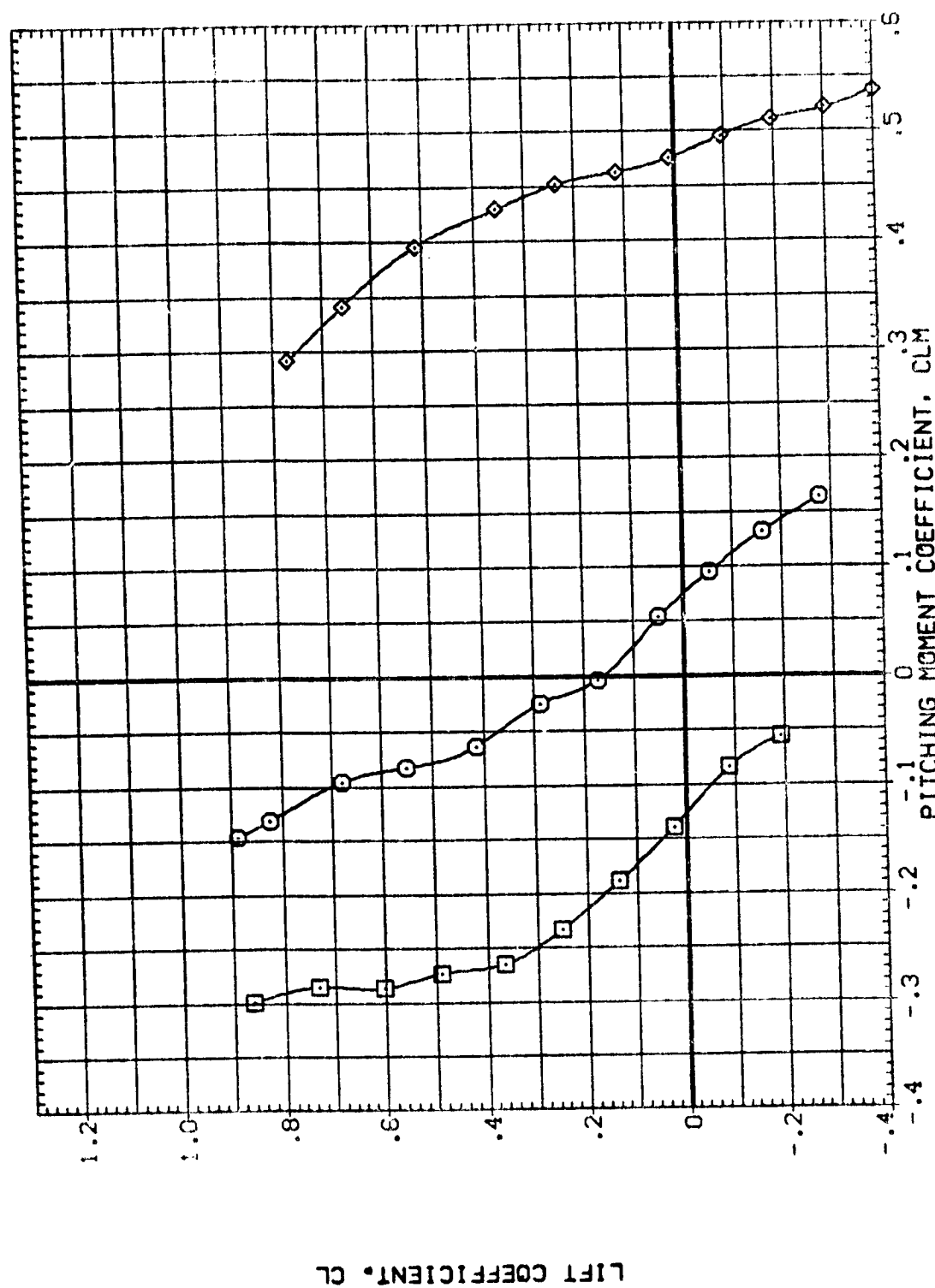


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 80.0 DEG.

(C)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (ZAG124) V5 B2 T  
 (ZAG125) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

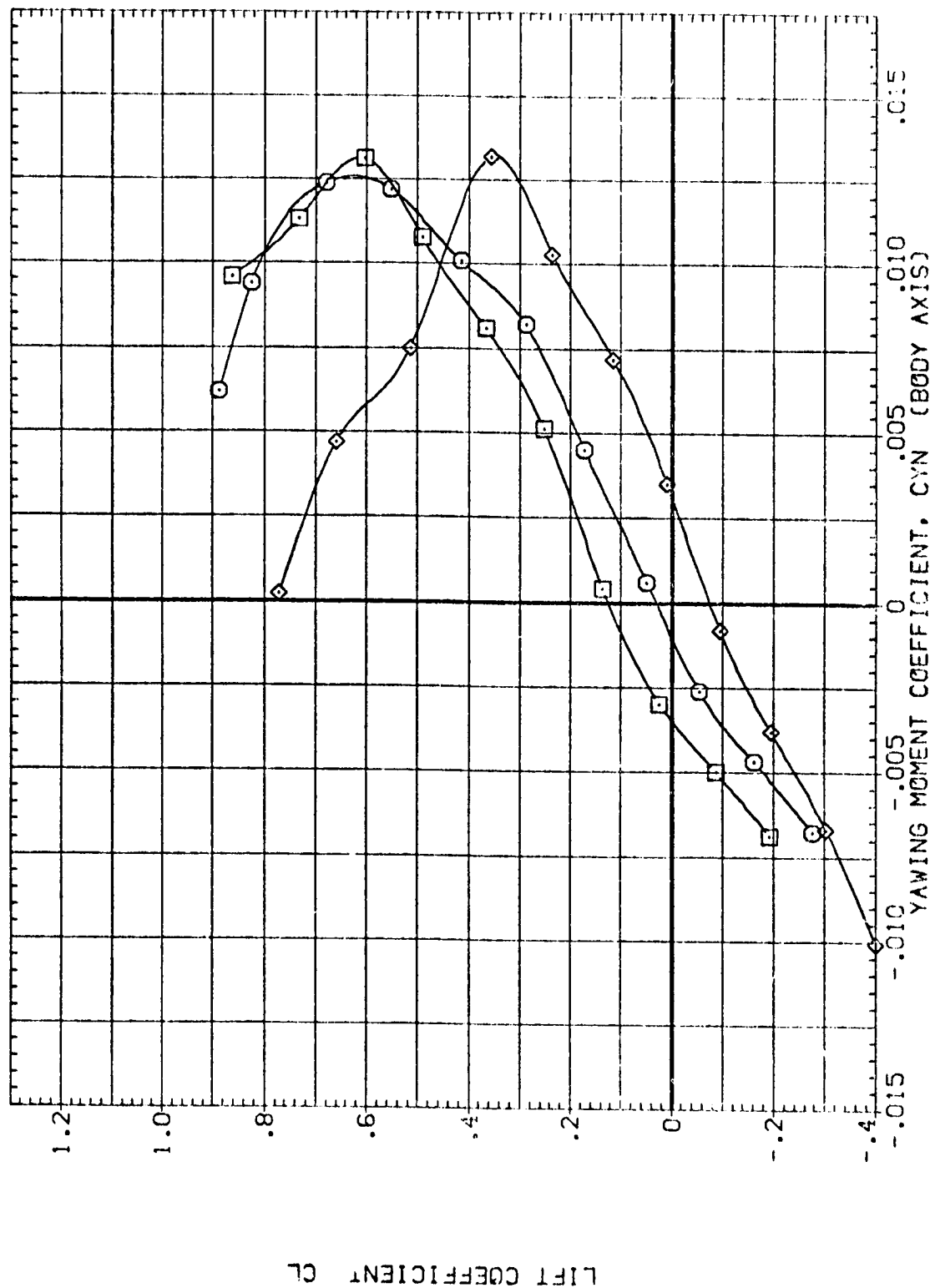


FIG. 6 AERO. CHARACTERISTICS IN PITCH. EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (ZAG124) V5 B2 T  
 (ZAG125) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

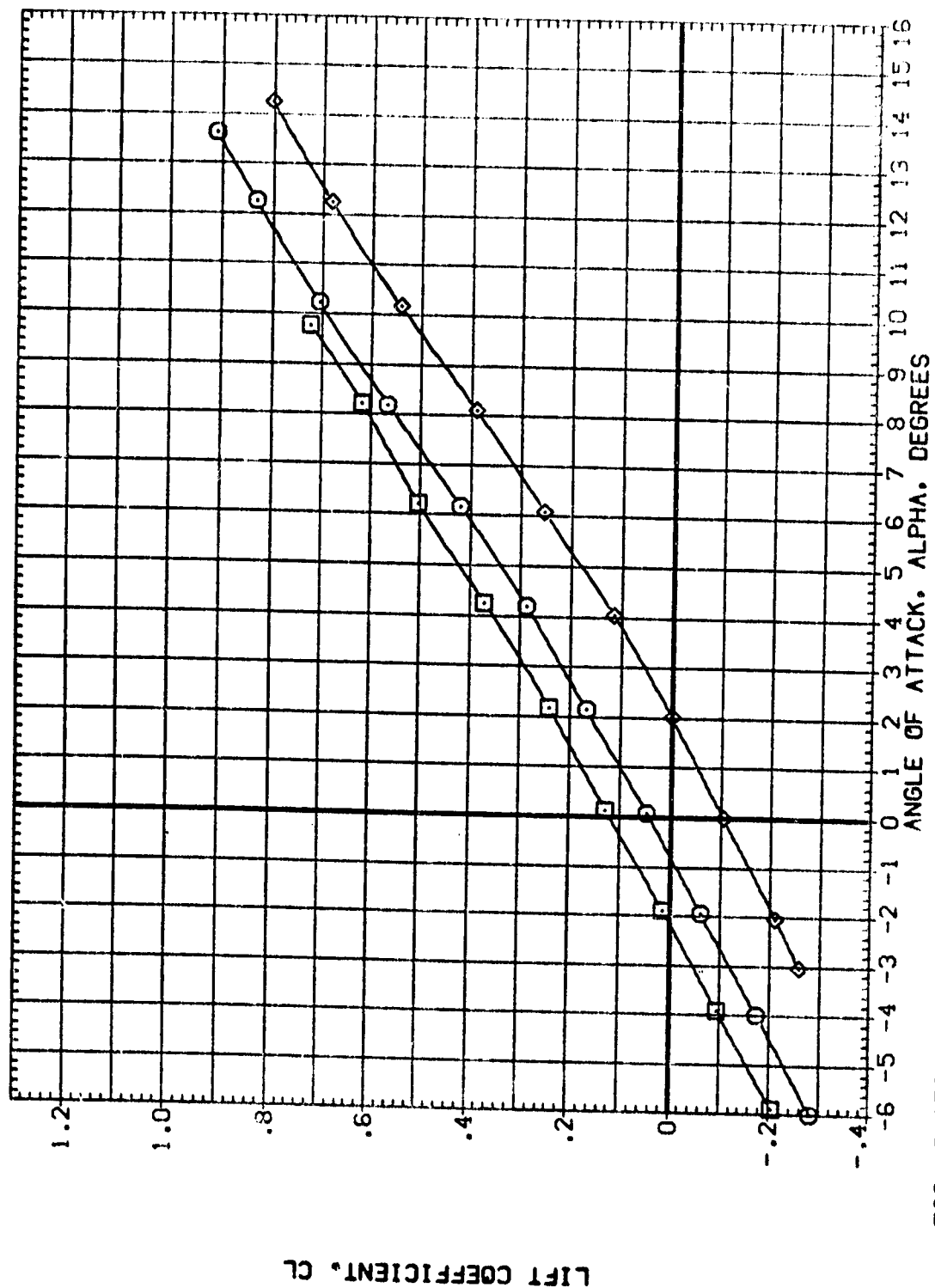


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 30.0 DEG.  
 (CD)MACH = 1.05

REPRODUCTION OF THE  
ORIGINAL DATA

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(ZAG115) V5 B2 T  
(ZAG124) V5 B2 T  
(ZAG125) V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

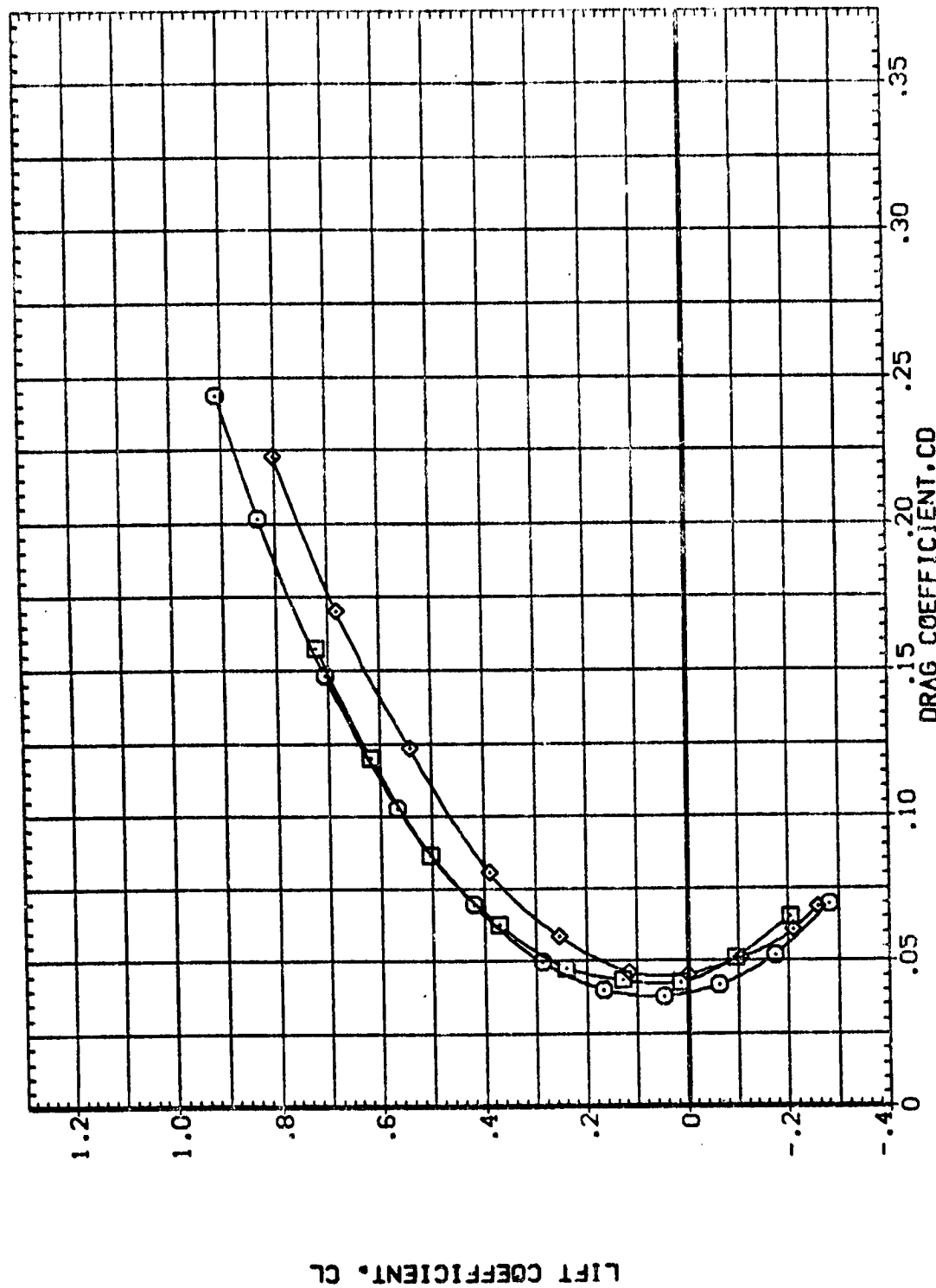


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
(CD)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (ZAG124) VS B2 T  
 (ZAG125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 2.500 .000  
 .000 -5.000 .000

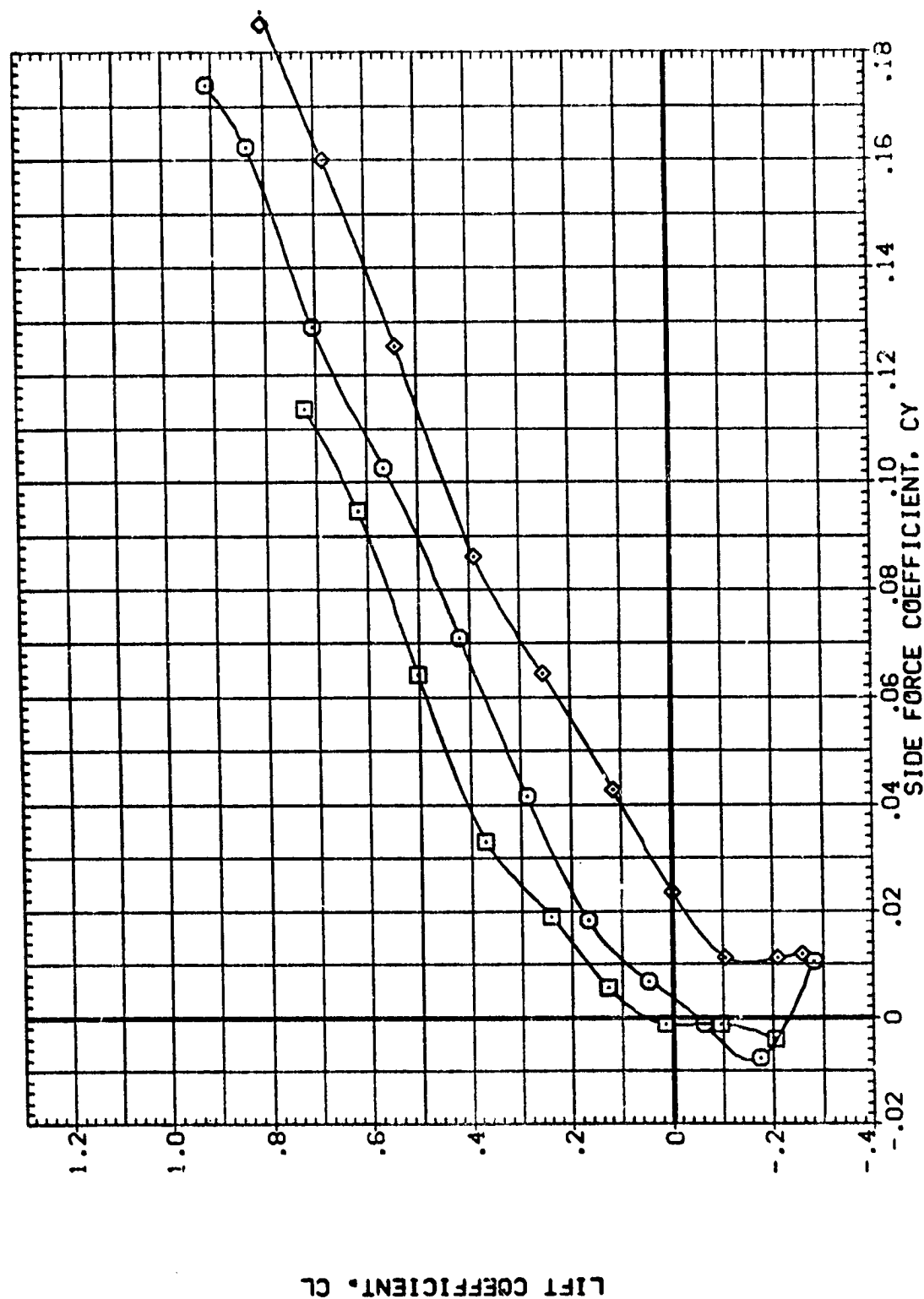


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.

(O)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (ZAG124) V5 B2 T  
 (ZAG125) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

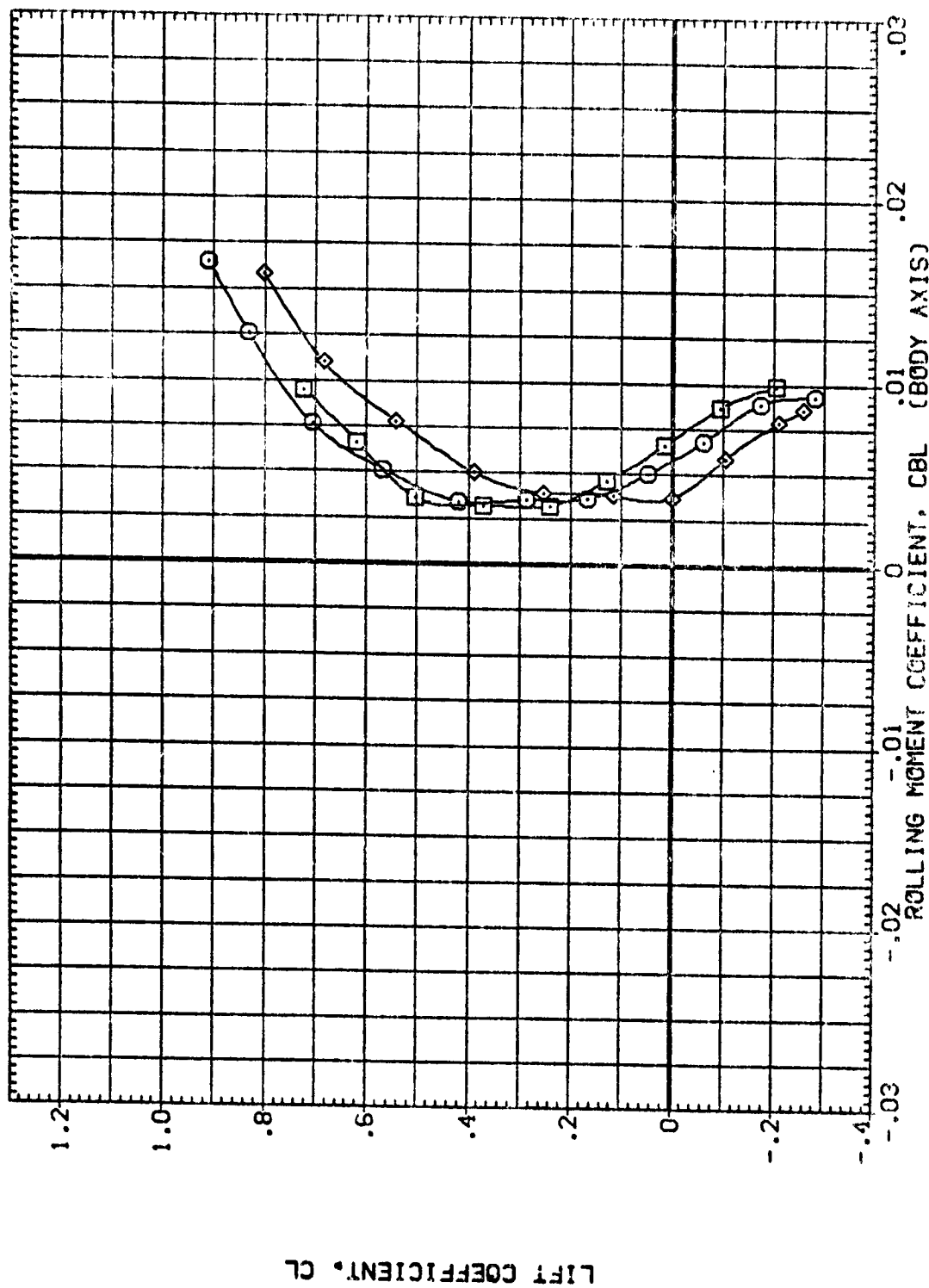


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 80.0 DEG.  
 (C)MACH = 1.05



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (ZAG124) VS B2 T  
 (ZAG125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

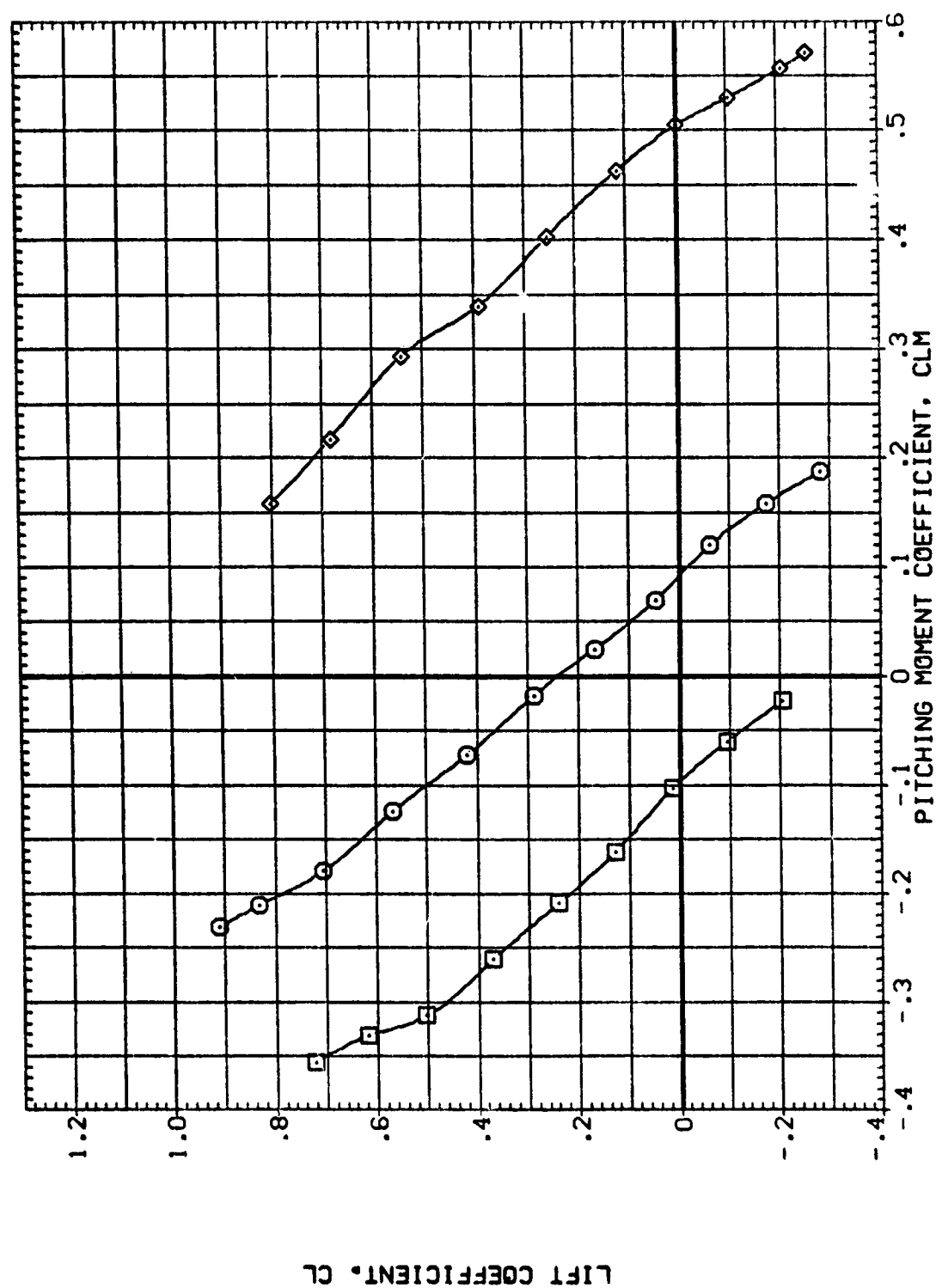


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.

(D)MACH = 1.05

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

CONFIGURATION DESCRIPTION

DATA SET SYMBOL VS B2 T  
(ZAG115)  
(ZAG124)  
(ZAG123)

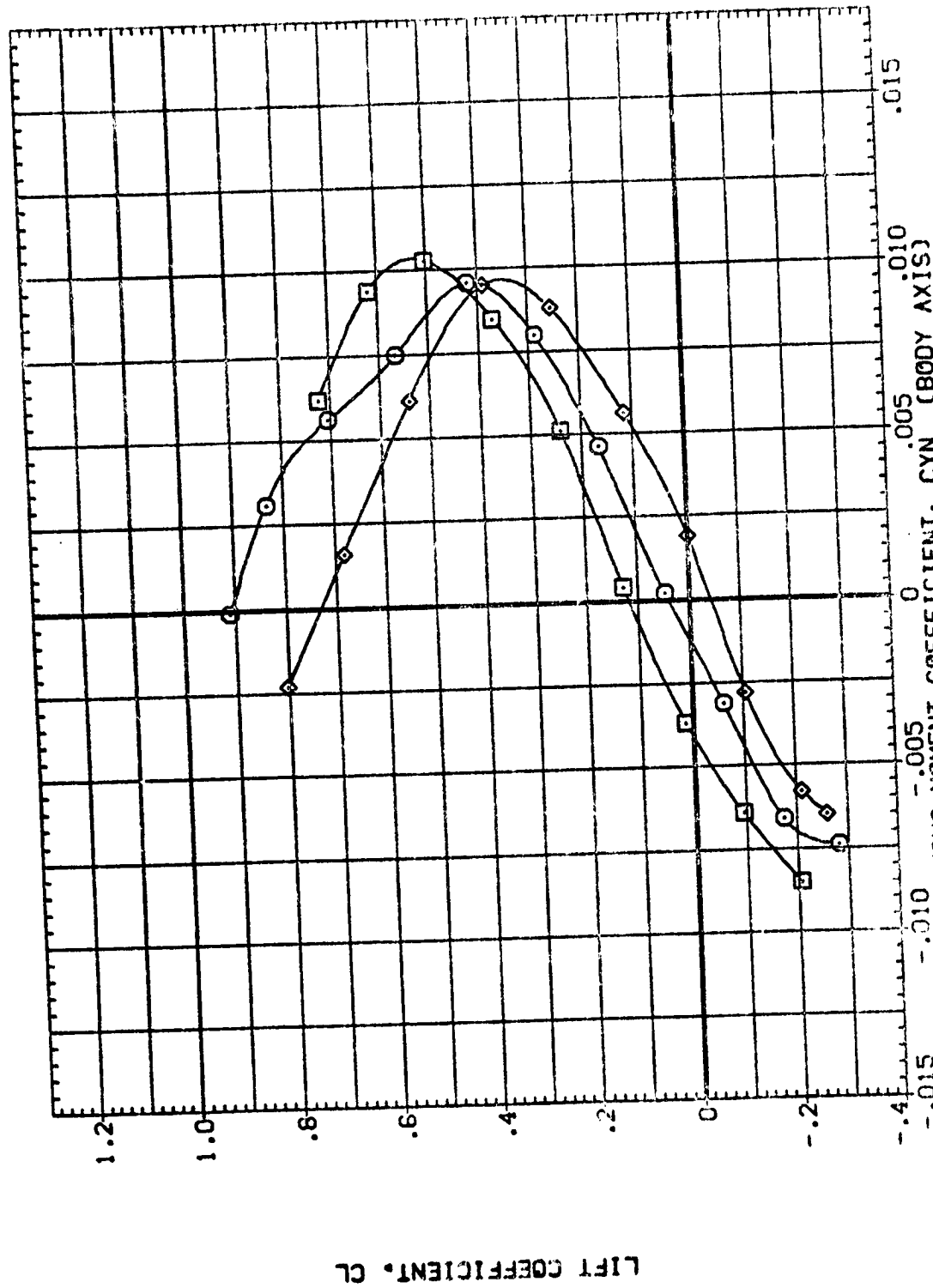


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = 1.05

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (ZAG124) V5 B2 T  
 (ZAG125) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

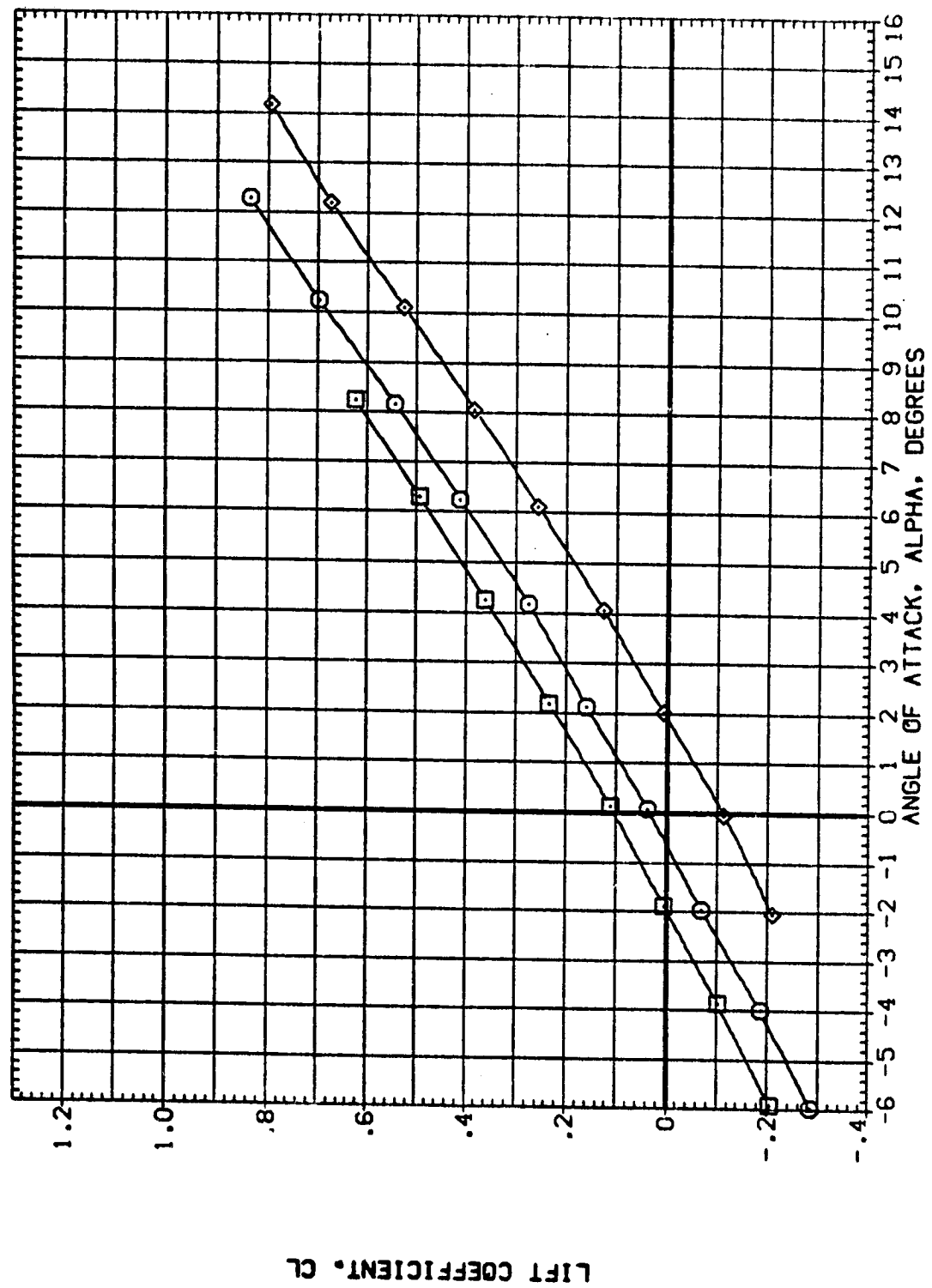


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (E)MACH = 1.10

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 I  
 (ZAG124) V5 B2 I  
 (ZAG125) V5 B2 I

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

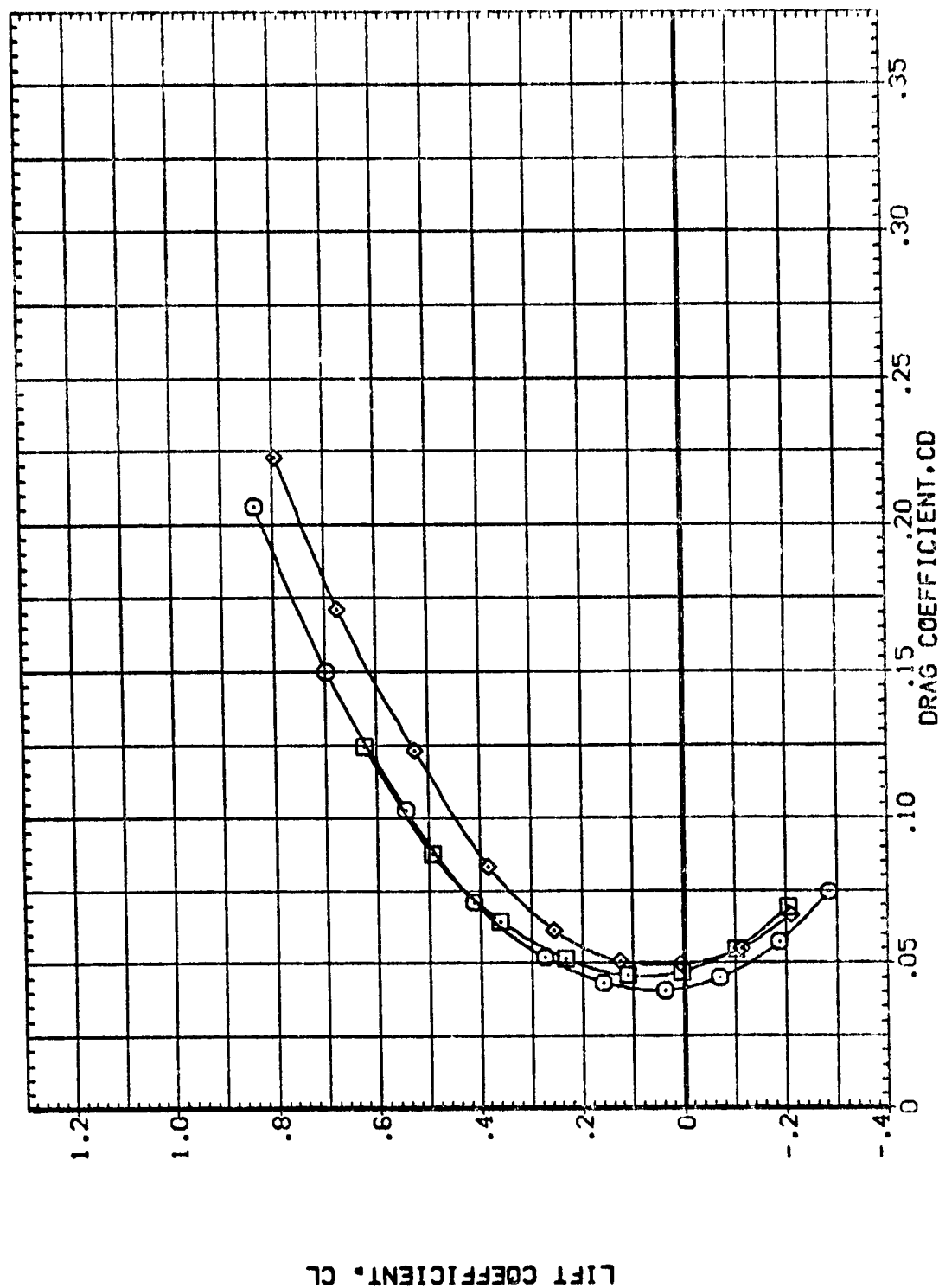


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (E)MACH = 1.10

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (ZAG124) VS B2 T  
 (ZAG125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

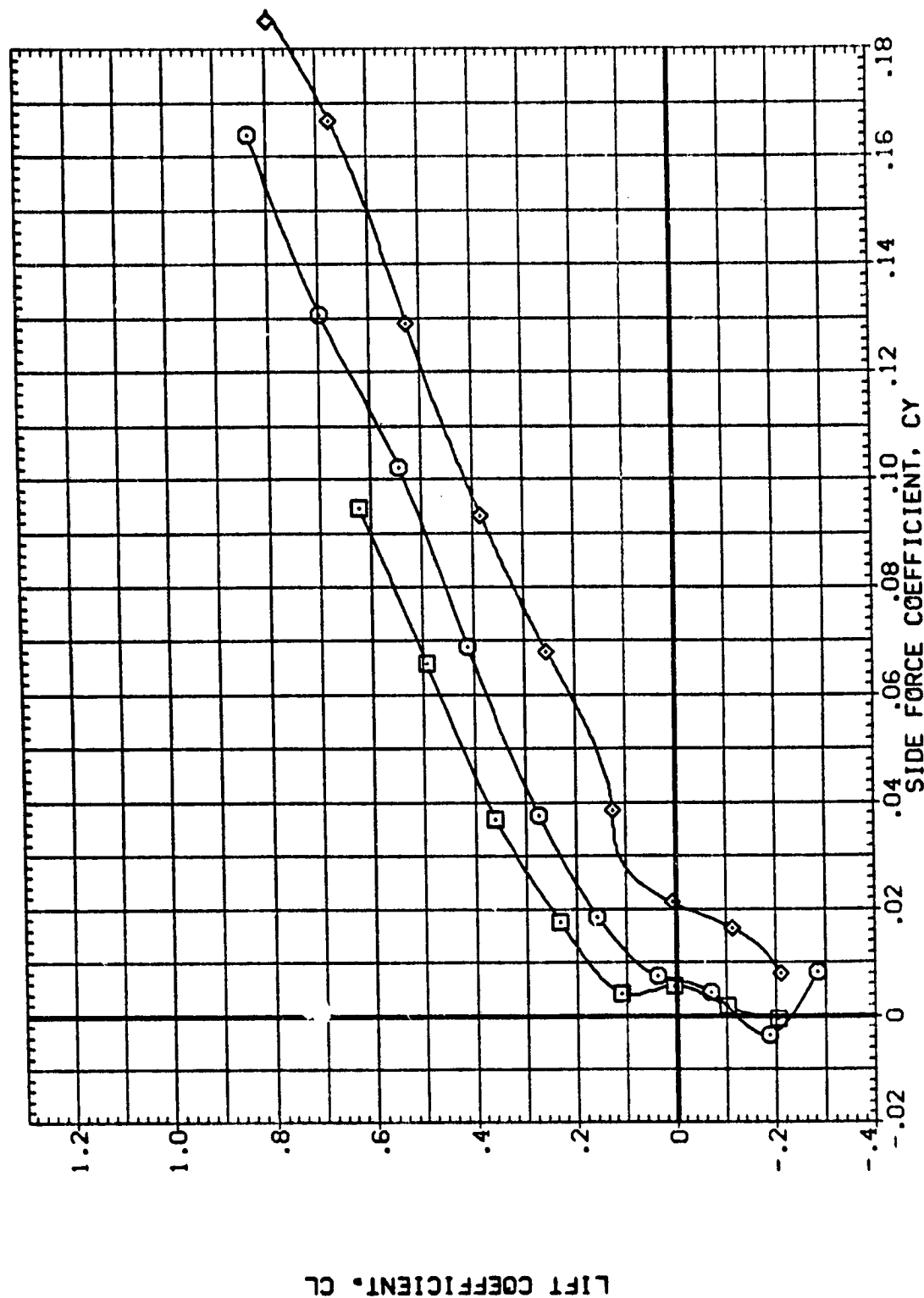


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (E)MACH = 1.10

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (ZAG124) VS B2 T  
 (ZAG125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

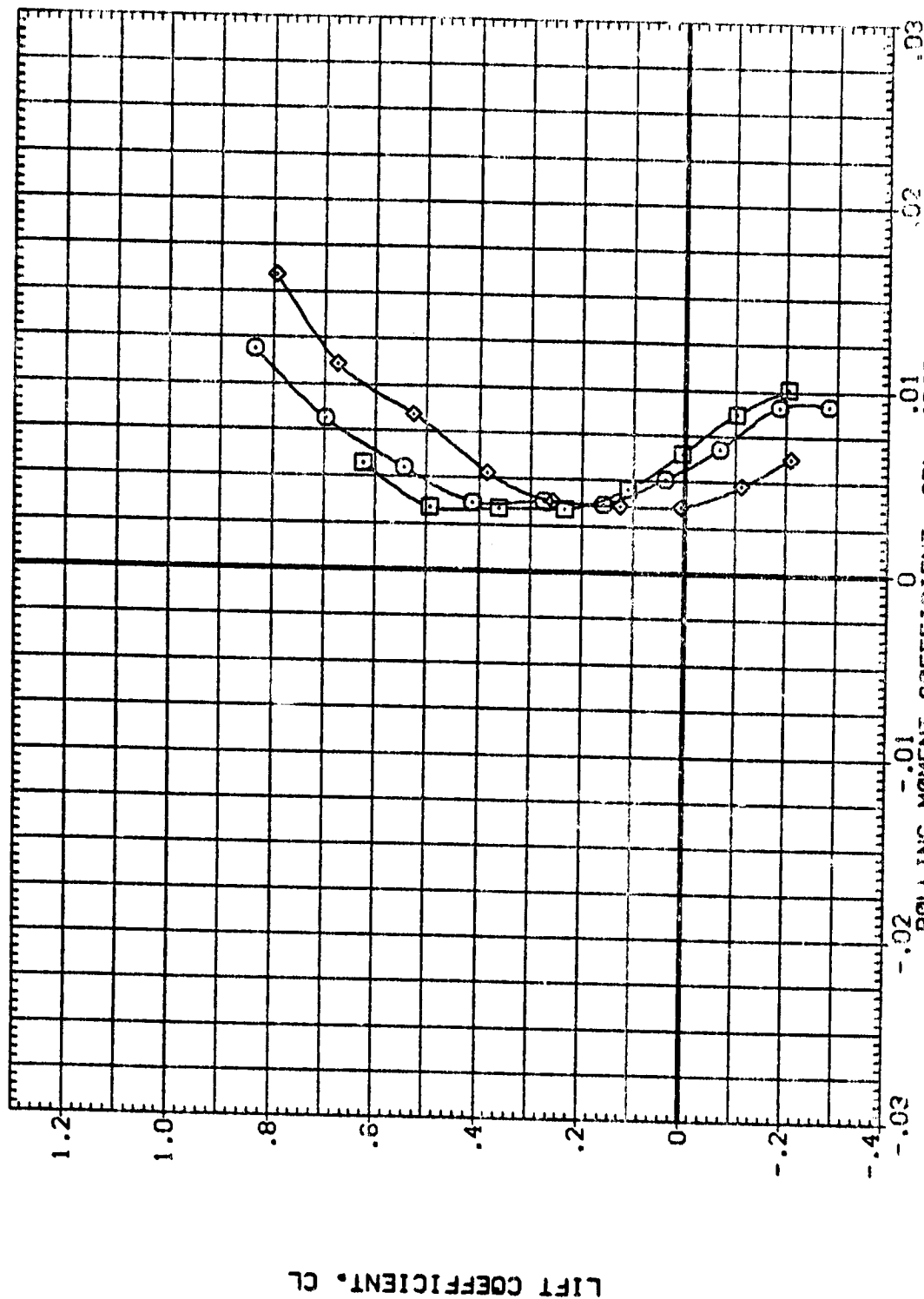


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (C)MACH = 1.10

1111  
 2222  
 3333  
 4444  
 5555  
 6666  
 7777  
 8888  
 9999  
 0000  
 1111  
 2222  
 3333  
 4444  
 5555  
 6666  
 7777  
 8888  
 9999  
 0000

AIR-L	AIR-R	HORIZT
.000	.000	.000
.000	.000	2.500
.000	.000	-5.000

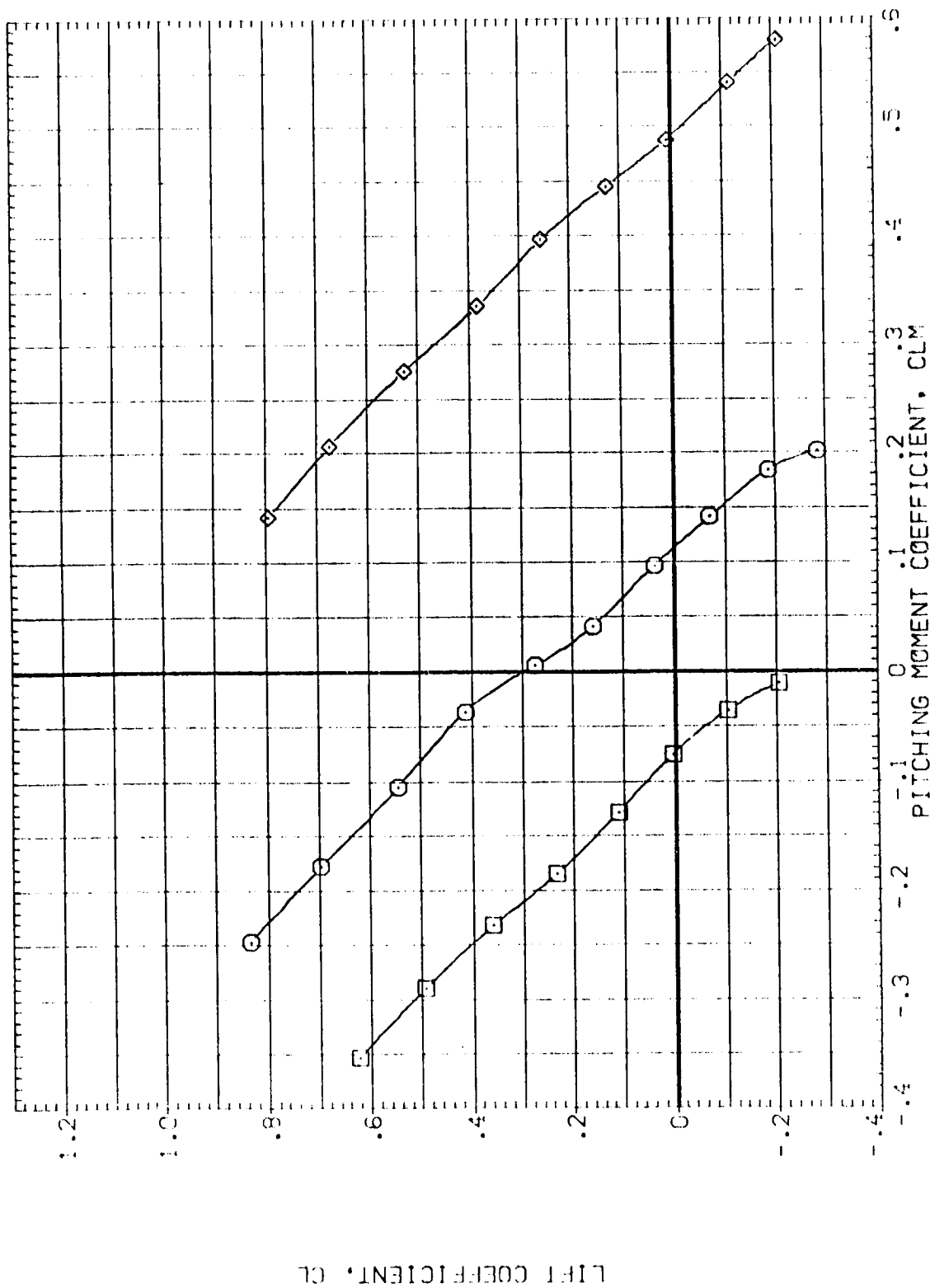


FIG. 8 AERC. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 30.0 DEG.

( )  
•  
•  
||

T  
( )  
•  
•  
( )  
( )  
( )

(C)  
 (D)  
 (E)

(U)  
 (O)  
 (L)  
 (A)

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (ZAG124) V5 B2 T  
 (ZAG125) V5 B2 T

AIL-L AIL-R HST-2T  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

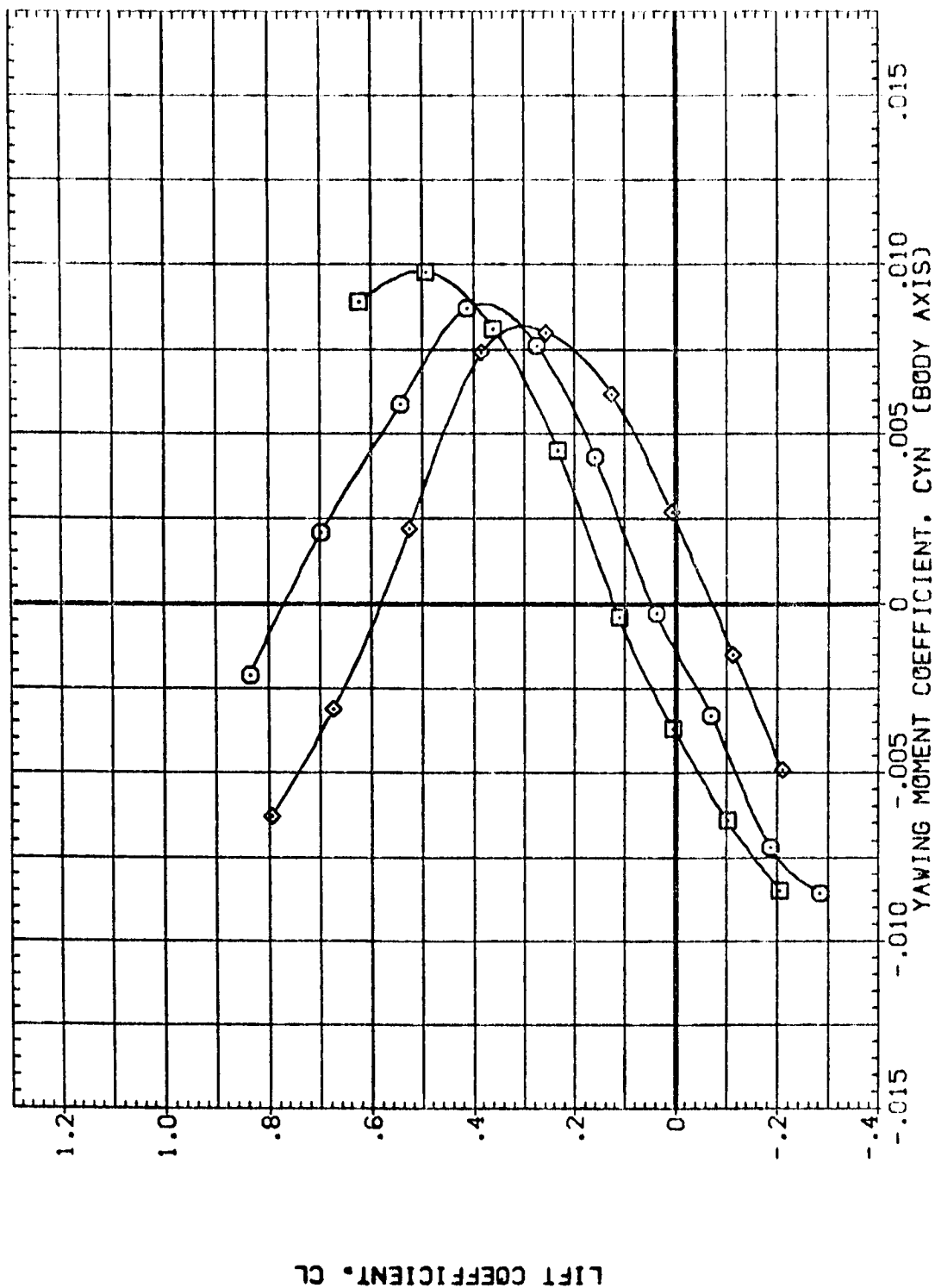


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = 1.10



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (ZAG124) V5 B2 T  
 (ZAG125) V5 B2 T

AIR-L AIR-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

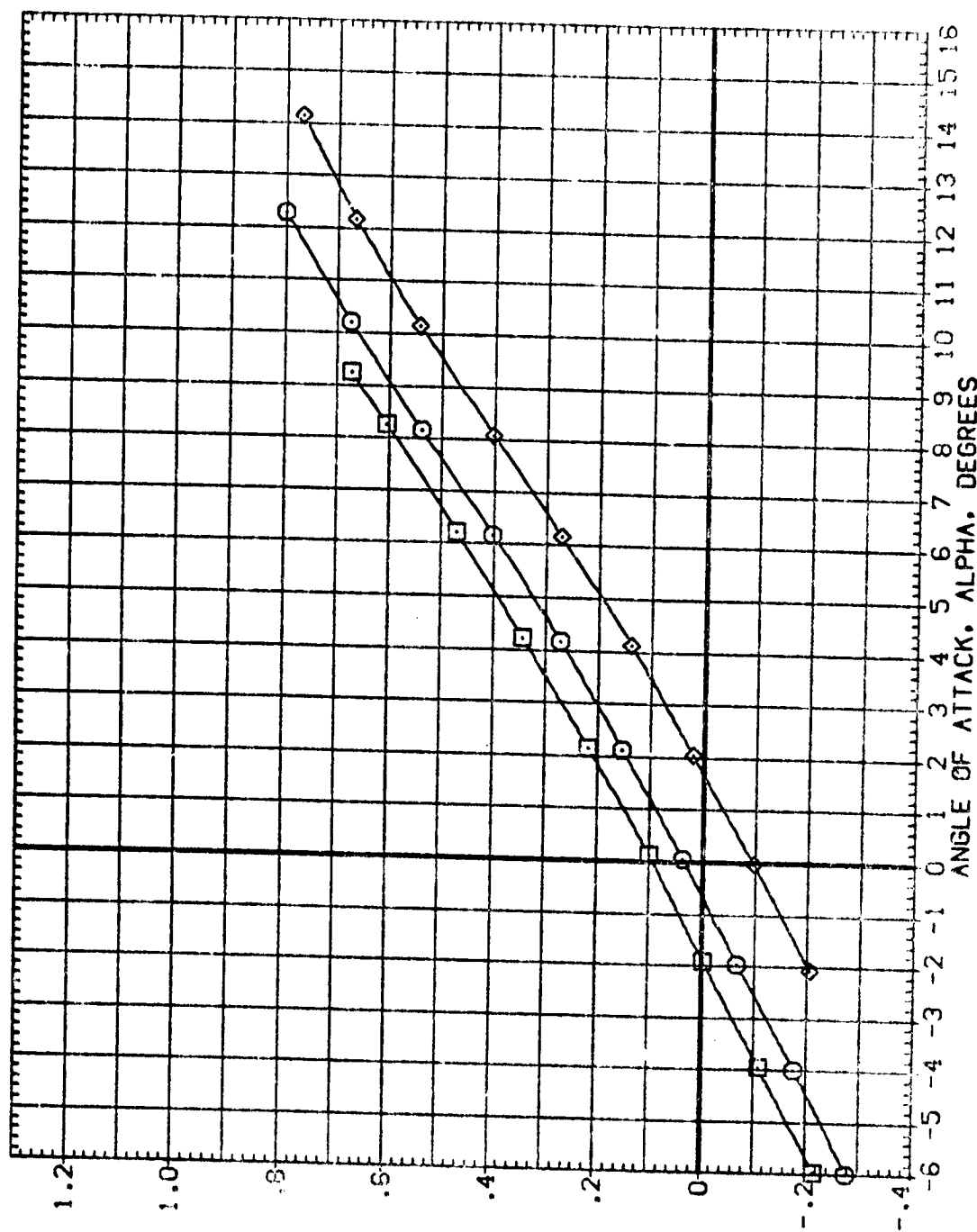


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 80.0 DEG.  
 (F)MACH = 1.20

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (ZAG115)    VS B2 T  
 (ZAG124)    VS B2 T  
 (ZAG126)    VS B2 T

AIL-L    AIL-R    HORIZT  
 .000    .000    .000  
 .000    .000    2.500  
 .000    .000    -5.000

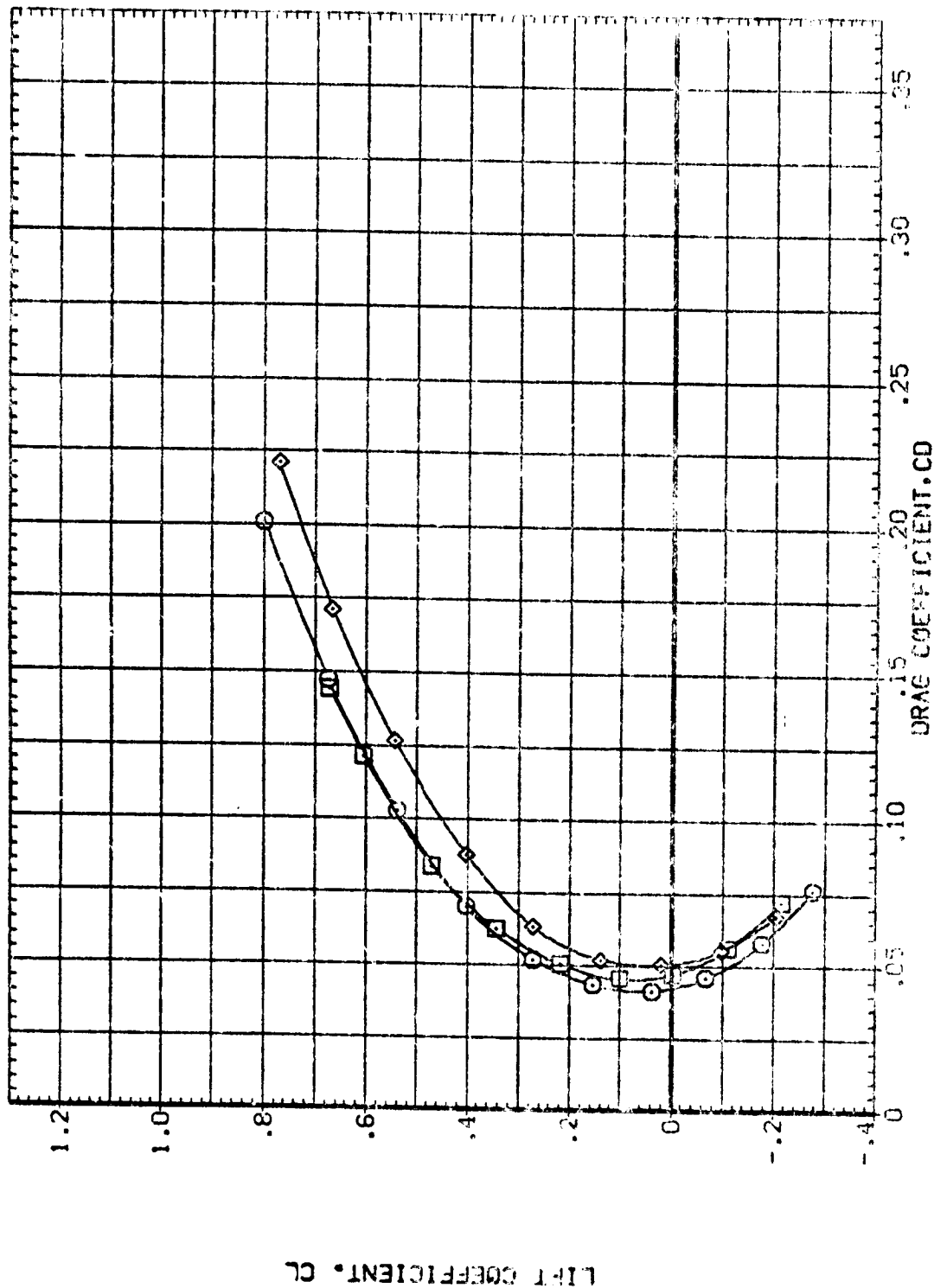


FIG. 6 AERO. CHARACTERISTICS IN PITCH: EFFECT OF TAIL DEFLECT. SWEEP = 50.0 DEG.  
 CFMACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (2A0115) V5 B2 T  
 (2A0124) V5 B2 T  
 (2A0125) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.508  
 .000 .000 -5.000

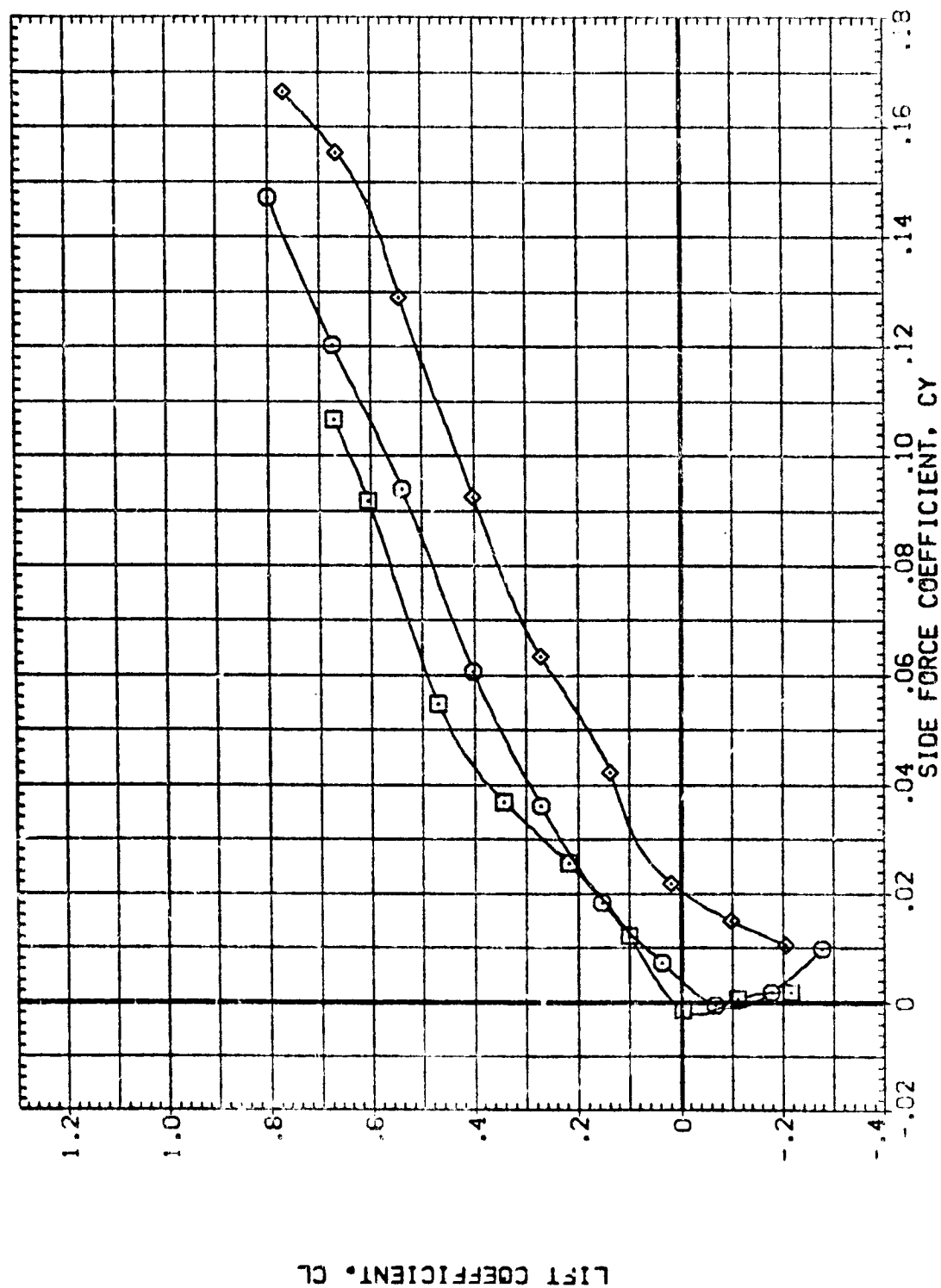


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = 1.20

REPRODUCED FROM  
ORIGINAL PHOTOGRAPH

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(ZAG115) V5 B2 T  
(ZAG124) V5 B2 T  
(ZAG125) V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

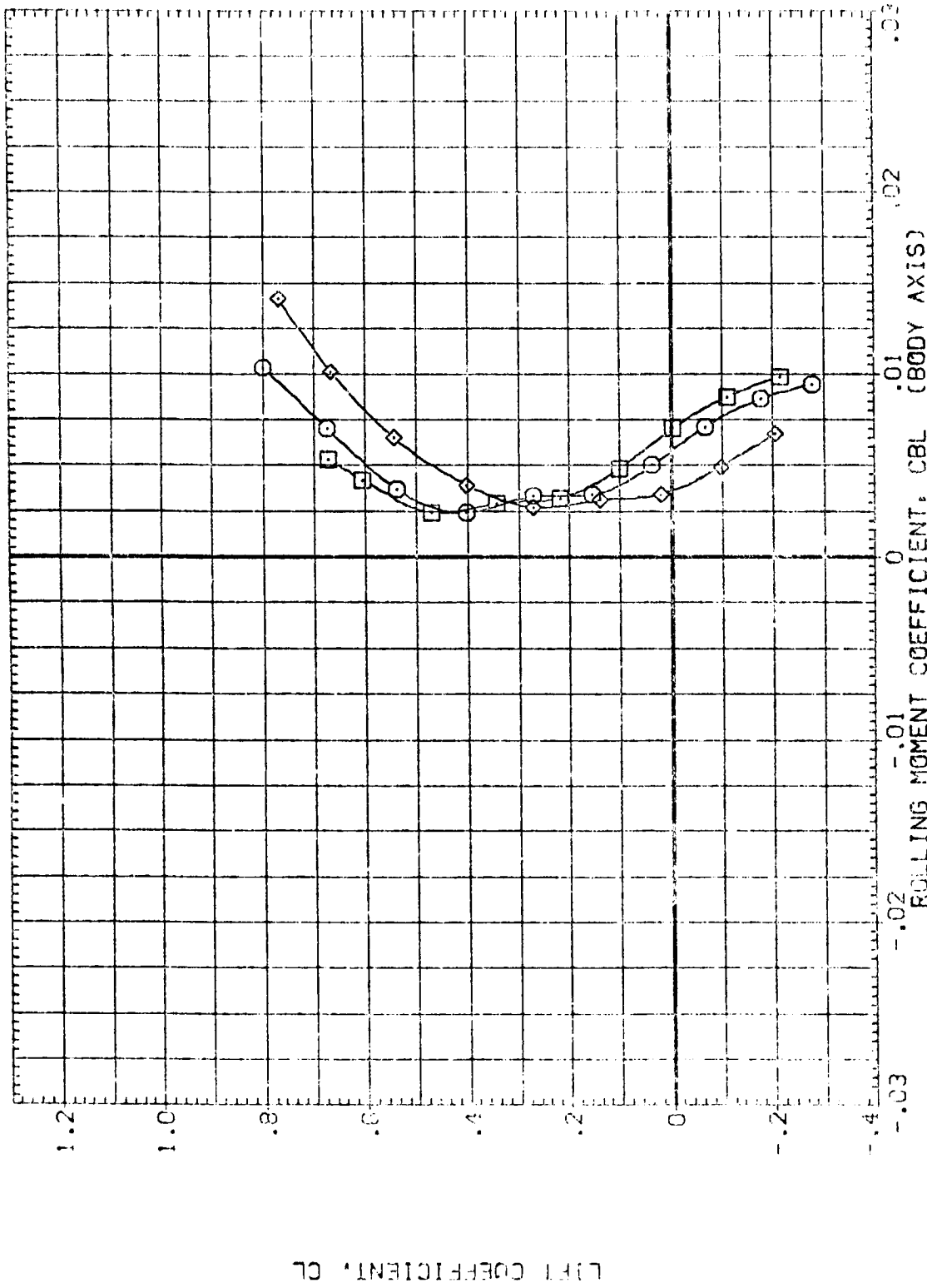


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 80.0 DEG.  
(F)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG113) VS B2 I  
 (ZAG124) VS B2 I  
 (ZAG125) VS B2 I

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

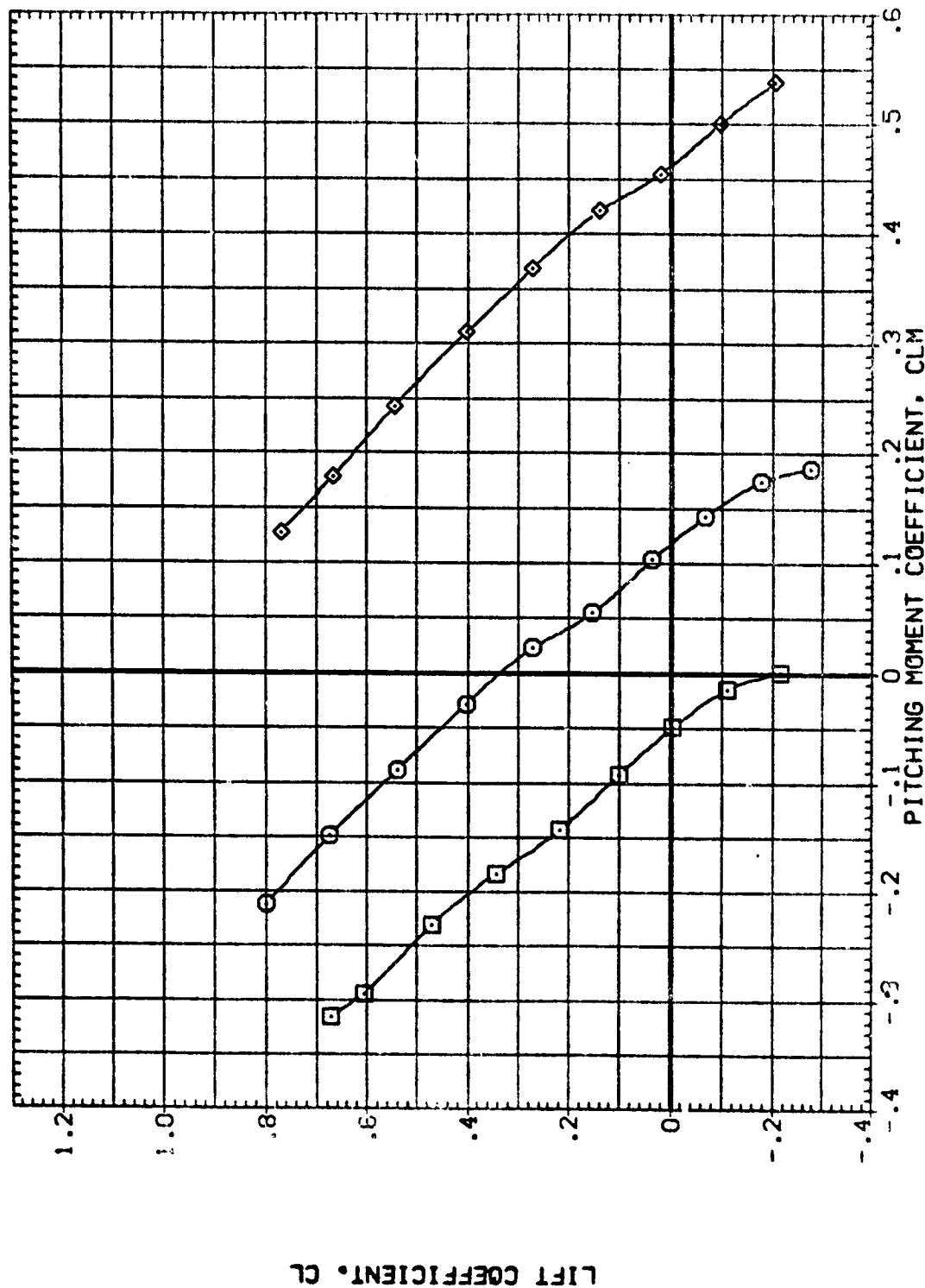


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.

(C)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (ZAG124) VS B2 T  
 (ZAG125) VS B2 T

AIR-L AIR-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

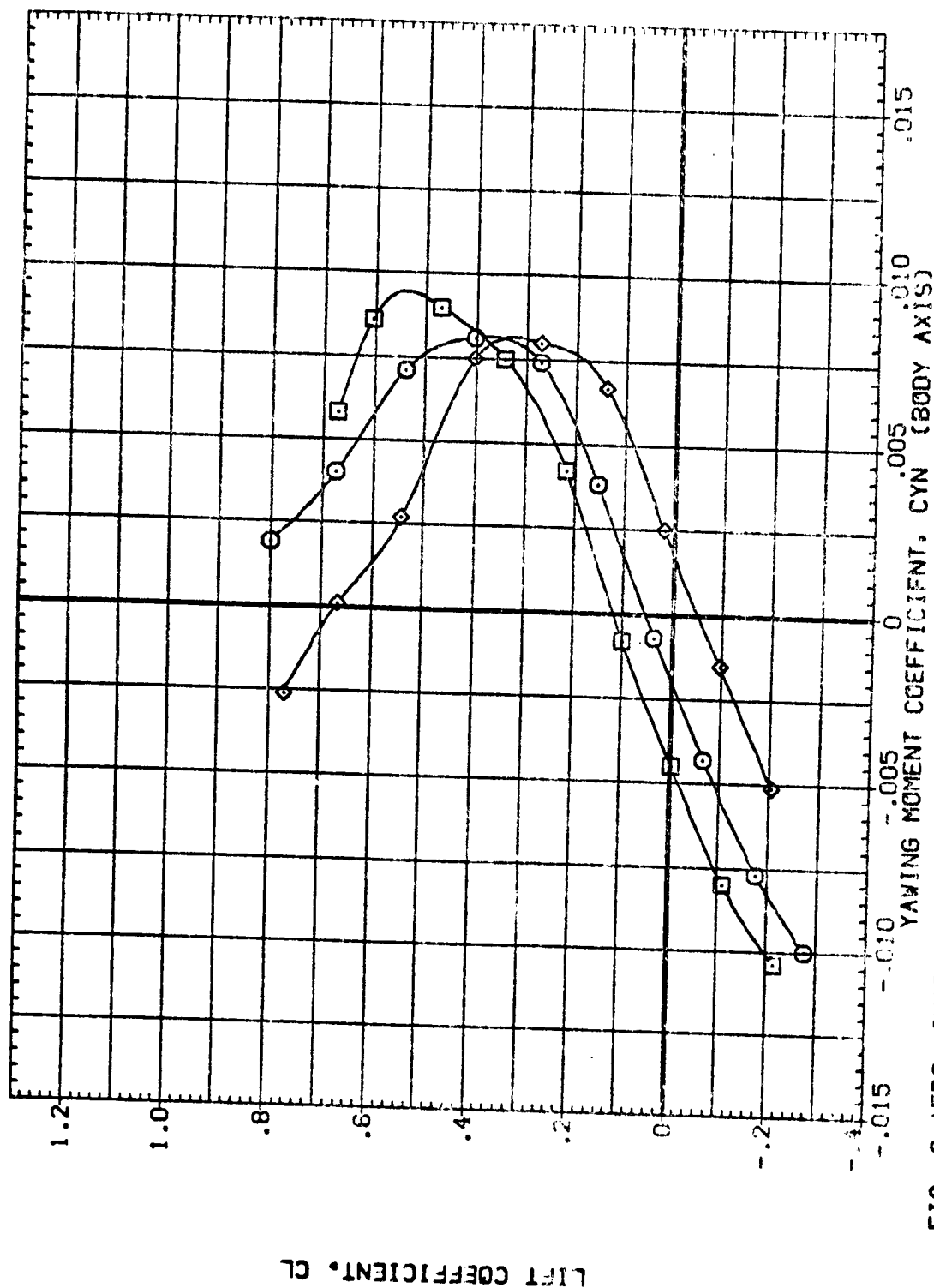


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (F)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) V5 B2 T  
 (ZAG124) V5 B2 T  
 (ZAG125) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

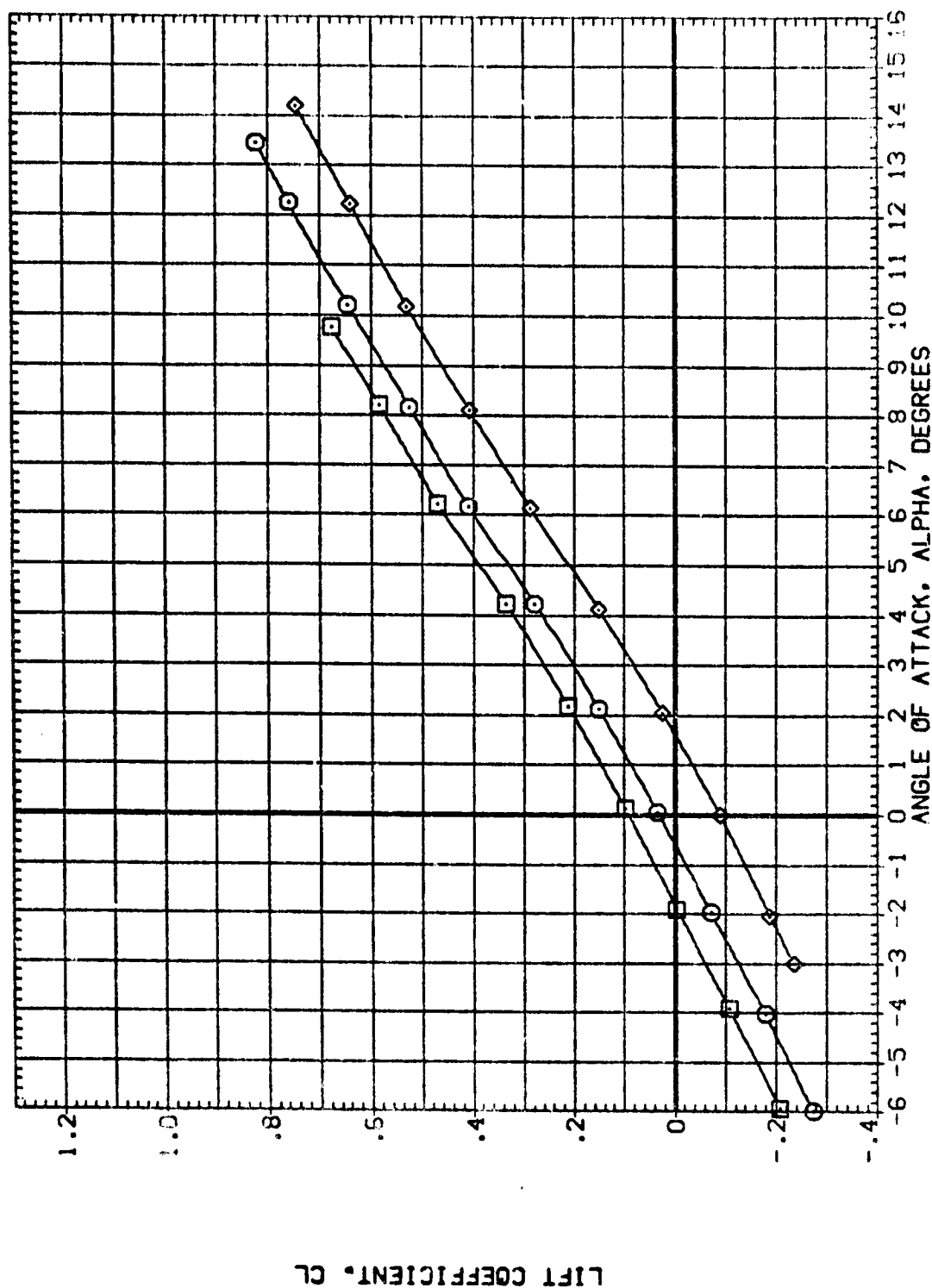


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 30.0 DEG.

(S)MACH = 1.30

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (ZAG115)    V5 B2 T  
 (ZAG124)    V5 B2 T  
 (ZAG125)    V5 B2 T

AIL-L    AIL-R    HORIZT  
 .000    .000    .000  
 .000    .000    2.500  
 .000    .000    -5.000

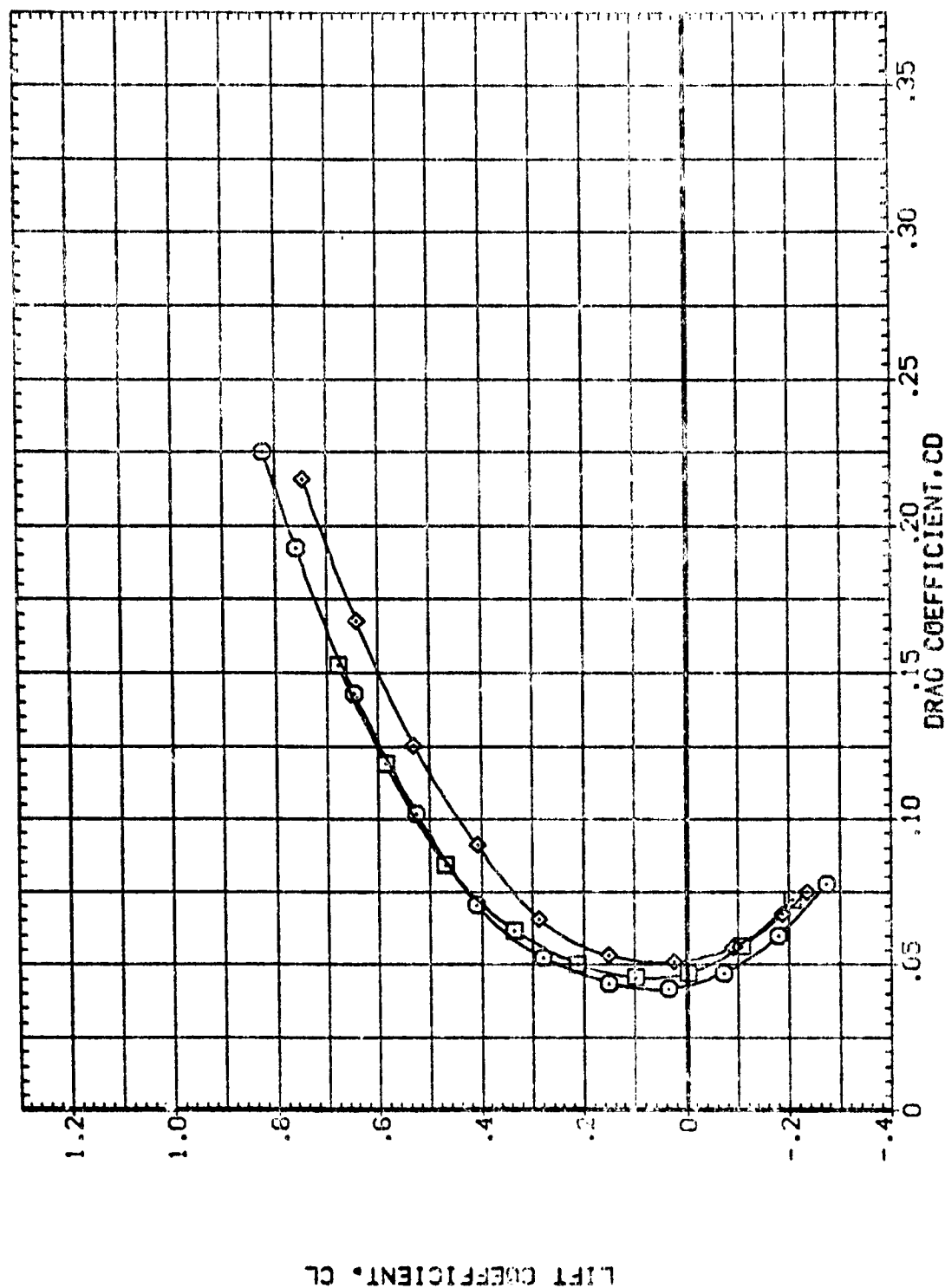


FIG. 8 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEPT 80.0 DEG.  
 (G)MACH = 1.30



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (2A0115) VS B2 T  
 (2A0124) VS B2 T  
 (2A0125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

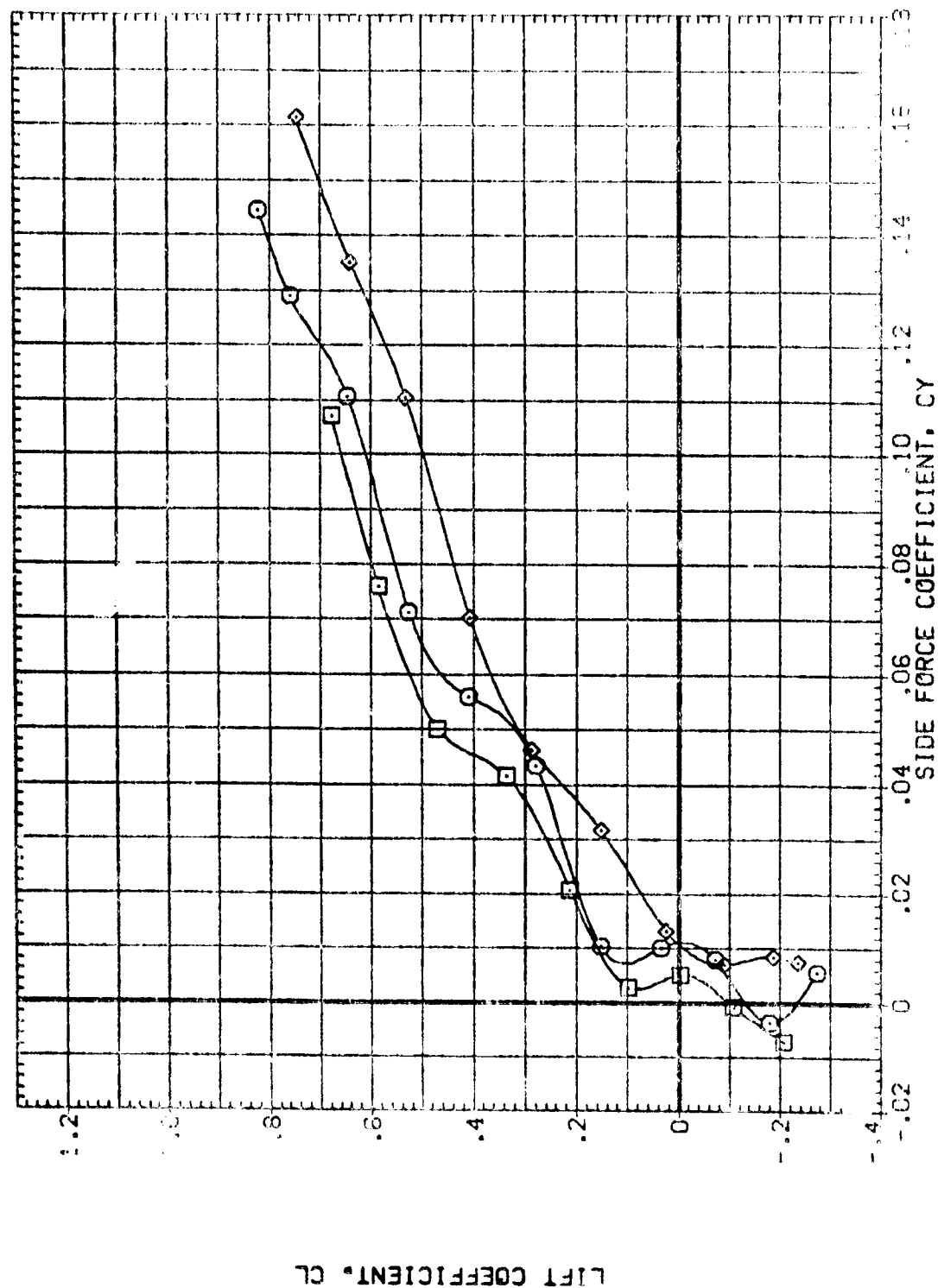


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT. SHEET 6010123.

1.30 MACH =

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (2A0115) V5 B2 T  
 (2A0124) V5 B2 T  
 (2A0125) V5 B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

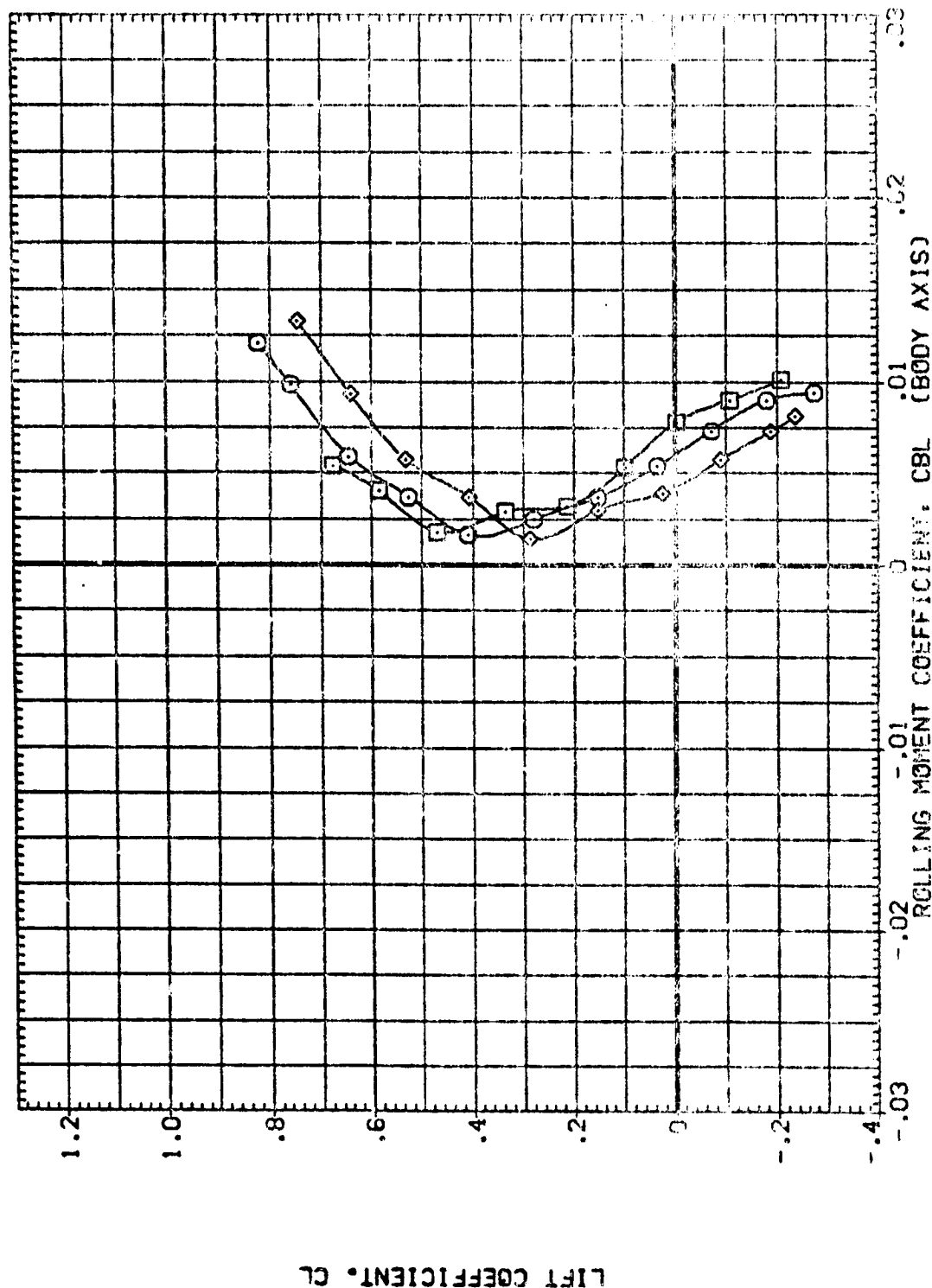


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 30.0 DEG.

(C)MACH = 1.30

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 VS 82 T  
 (2.0115)  
 (2.0124)  
 (2.0123)

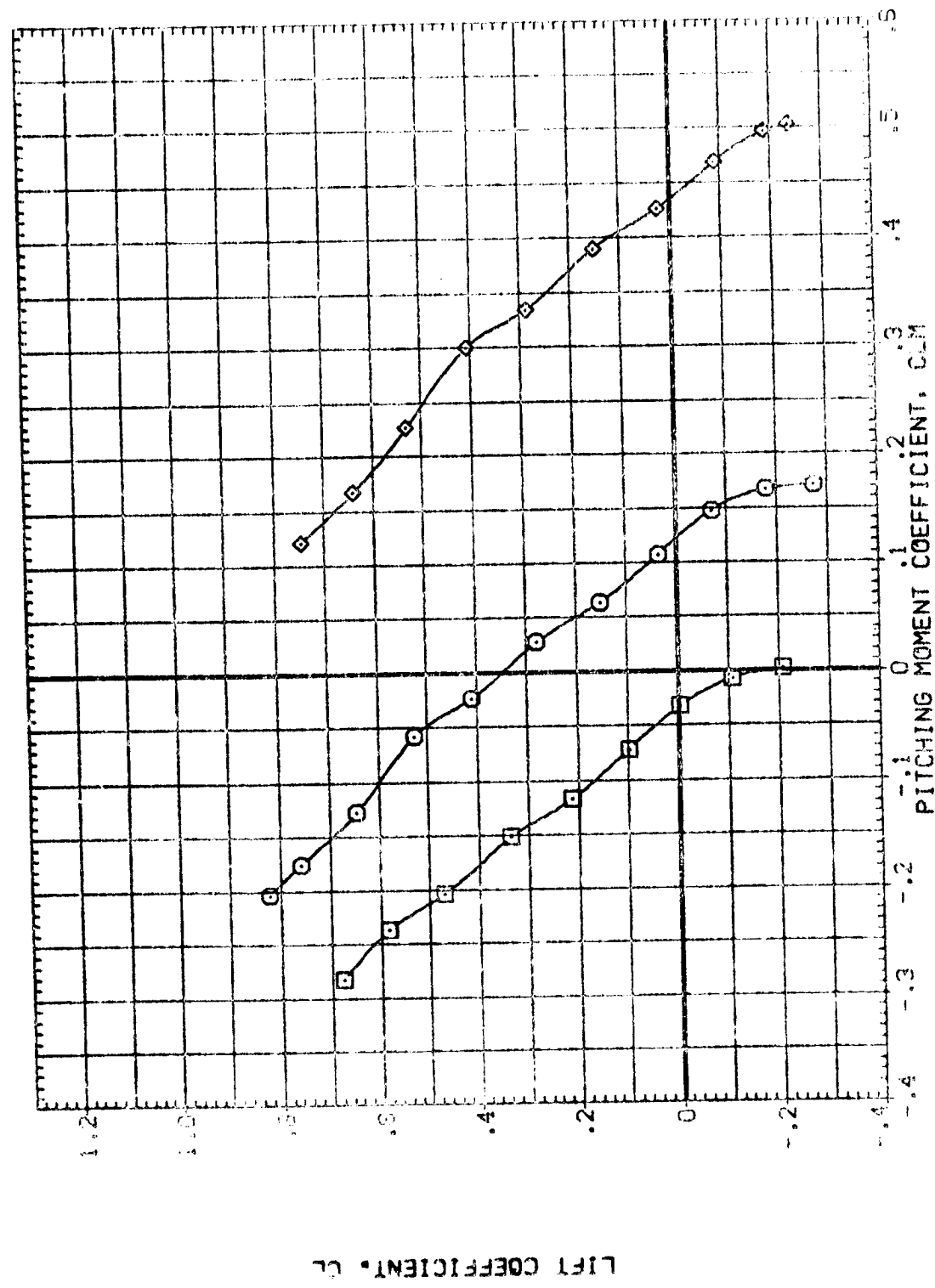


FIG. 3 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT. SWEEP = 80.0 DEGS.  
 MACH = 1.00  
 PAGE 100

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG115) VS B2 T  
 (ZAG124) VS B2 T  
 (ZAG125) VS B2 T

AIL-L AIL-R HORSET  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

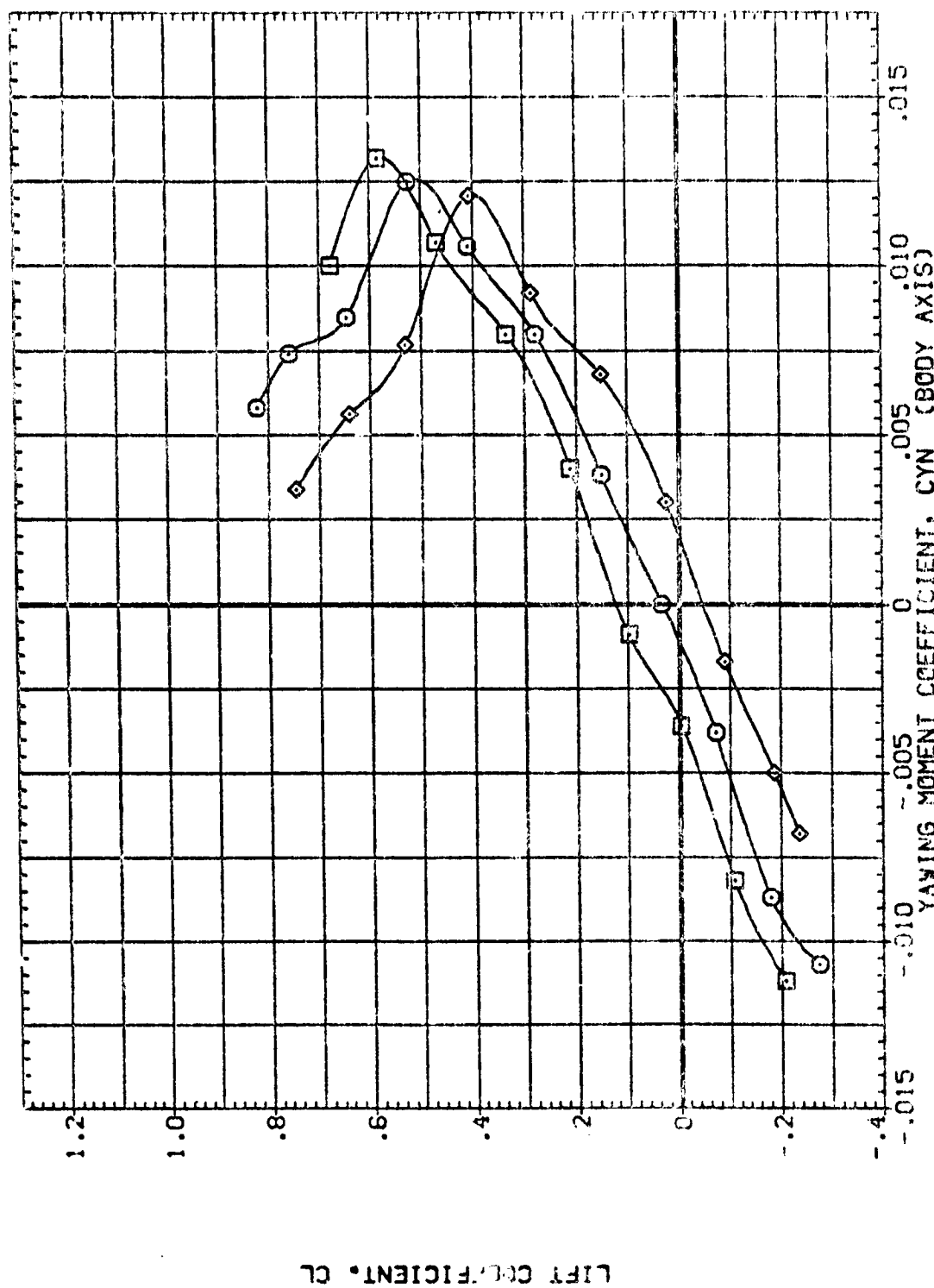


FIG. 6 AERG. CHARACTERISTICS IN PITCH. EFFECT OF TAIL DEFLECT., SWEEP = 80.0 DEG.  
 (G)MACH = 1.30

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (240113) VS B2 T  
 (240124) VS B2 T  
 (240125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

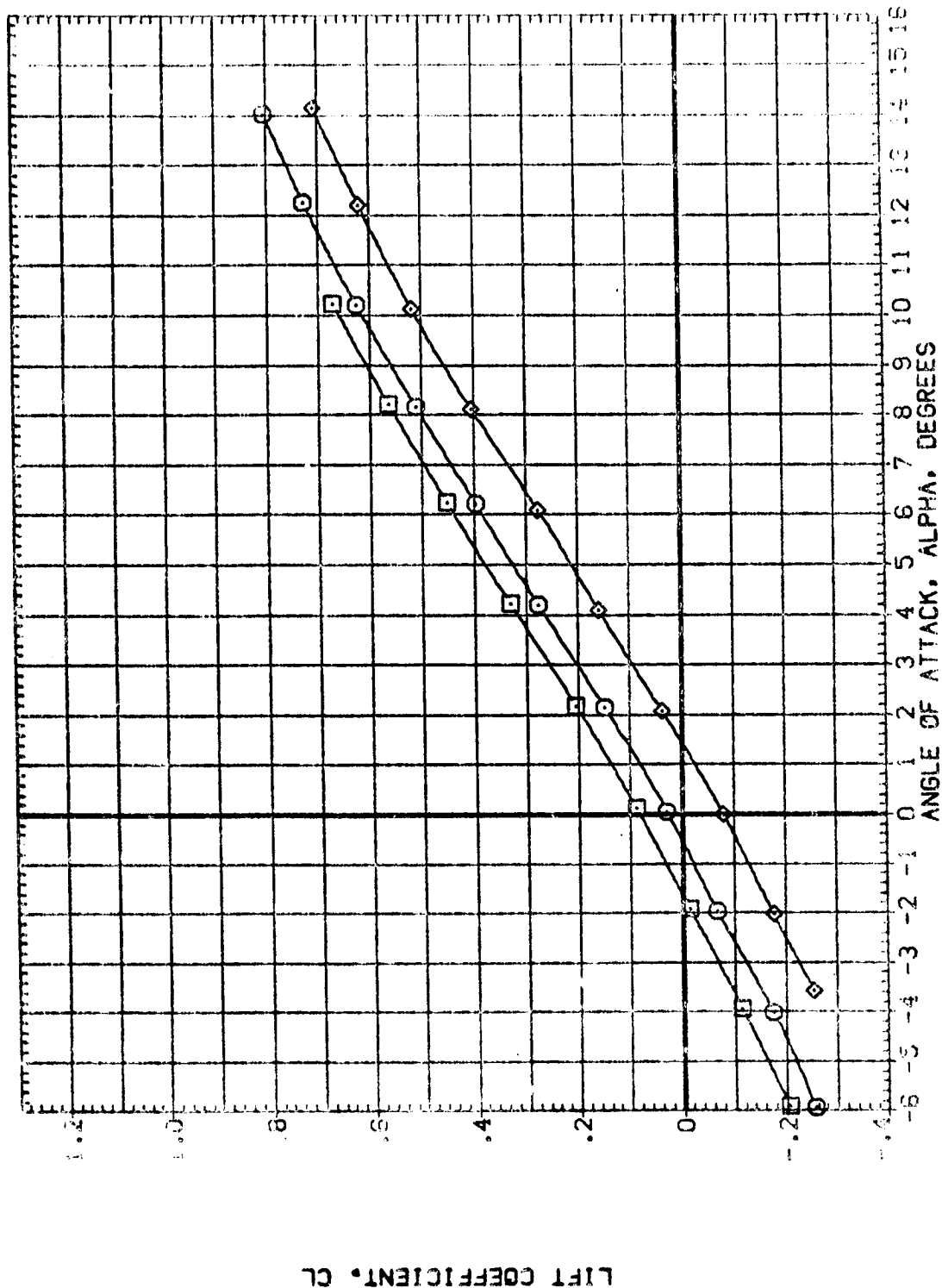


FIG 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT. SNEEP = 0.00 DEG.

CHDMACH = 1.40

CONFIGURATION DESCRIPTION

AIL-L AIL-R HIND-RTT  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000

95 B2 I  
 95 B2 I  
 95 B2 I  
 95 B2 I

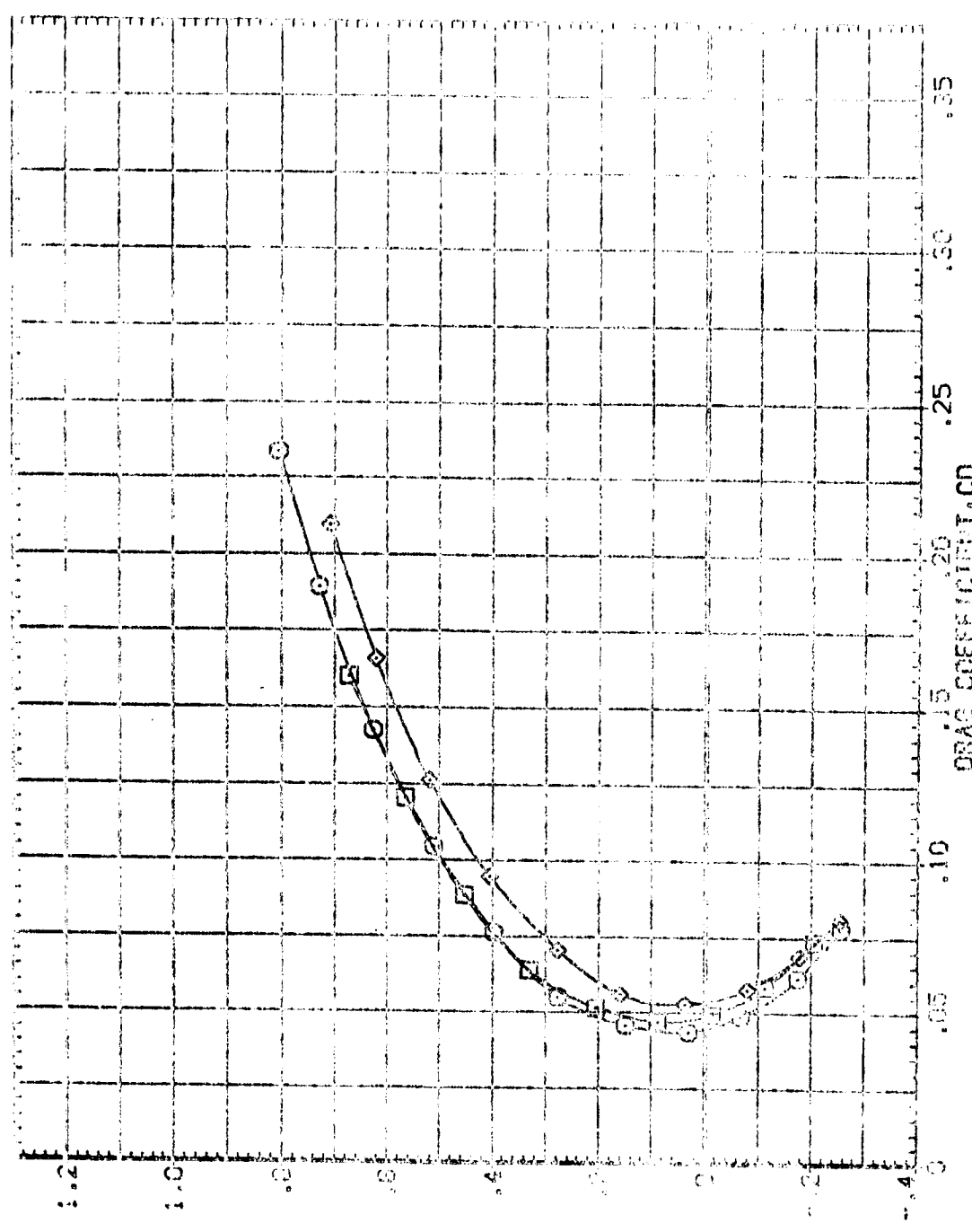


FIG. 6 ZERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT. SNEEP = 90.0 DEG.  
 CHMACH = 1.40 PAGE 268

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (2A0115) VS B2 T  
 (2A0124) VS B2 T  
 (2A0123) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

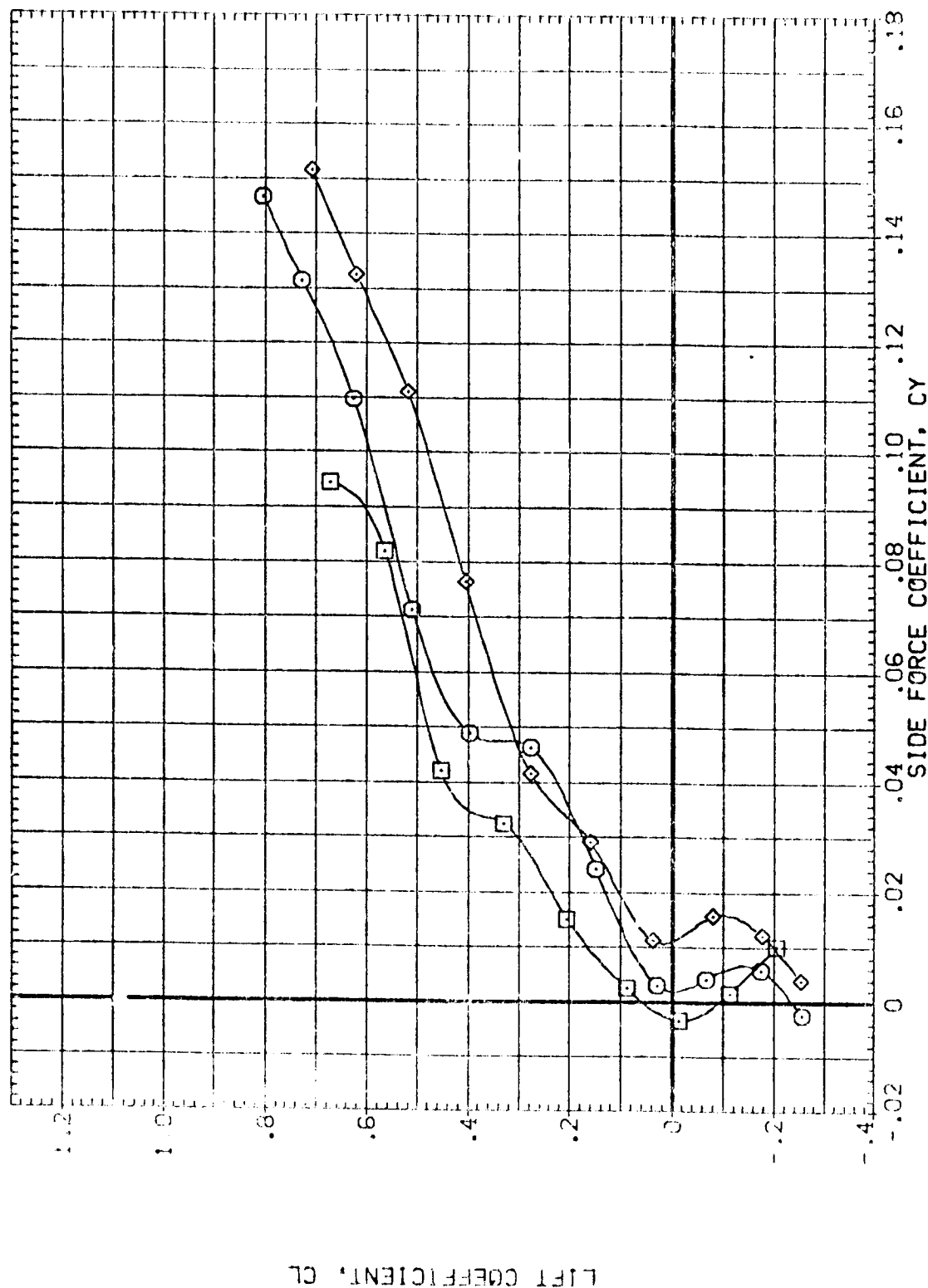


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 CH2MACH = 1.40  
 PAGE 283

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (ZAG113) VS B2 T  
 (ZAG124) VS B2 T  
 (ZAG125) VS B2 T

AIL-L AIL-R HORIZT  
 .000 .000 .000  
 .000 .000 2.500  
 .000 .000 -5.000

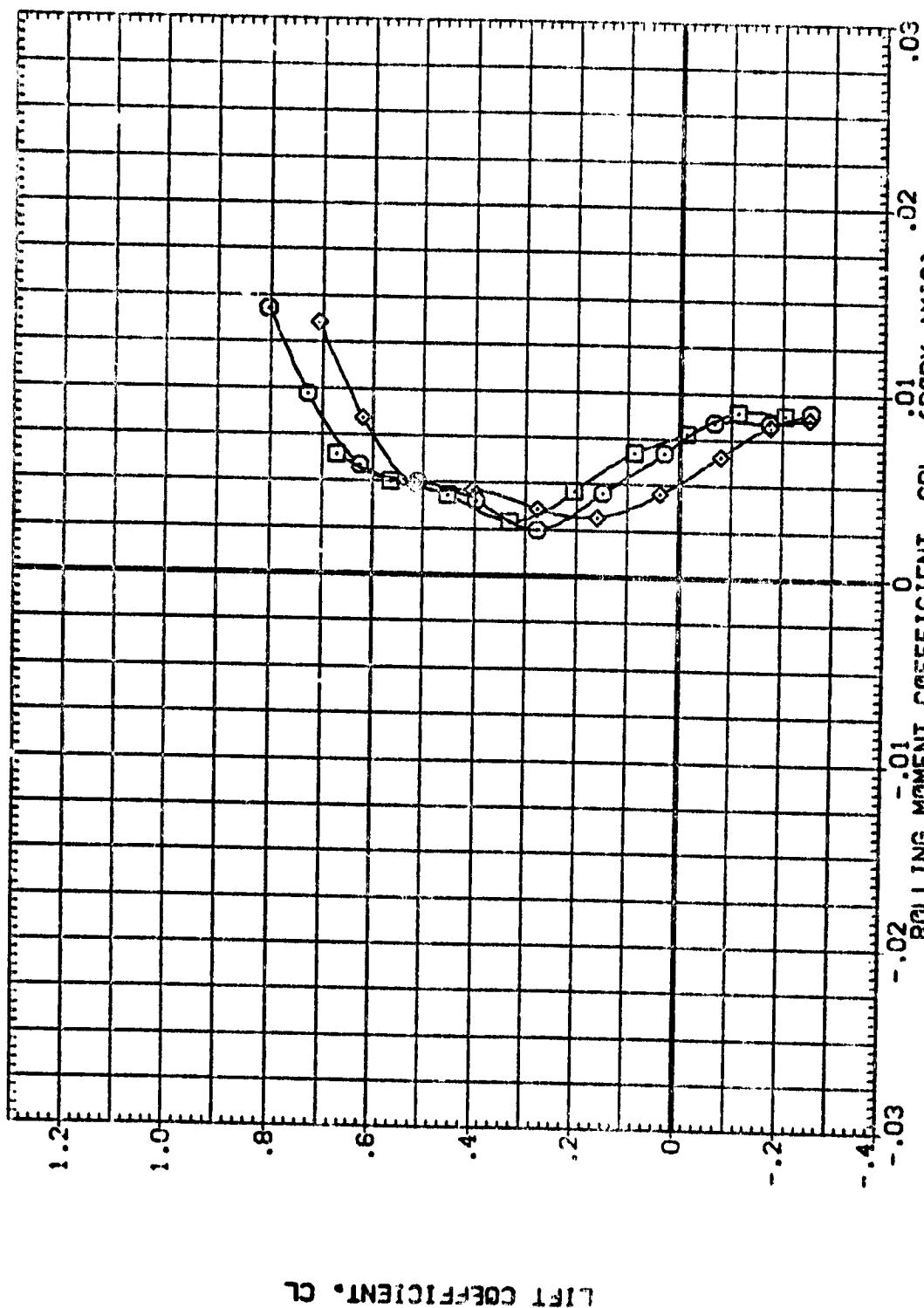


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
 (H)MACH = 1.40



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG)15) V5 B2 T  
(ZAG)24) V5 B2 T  
(ZAG)25) V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

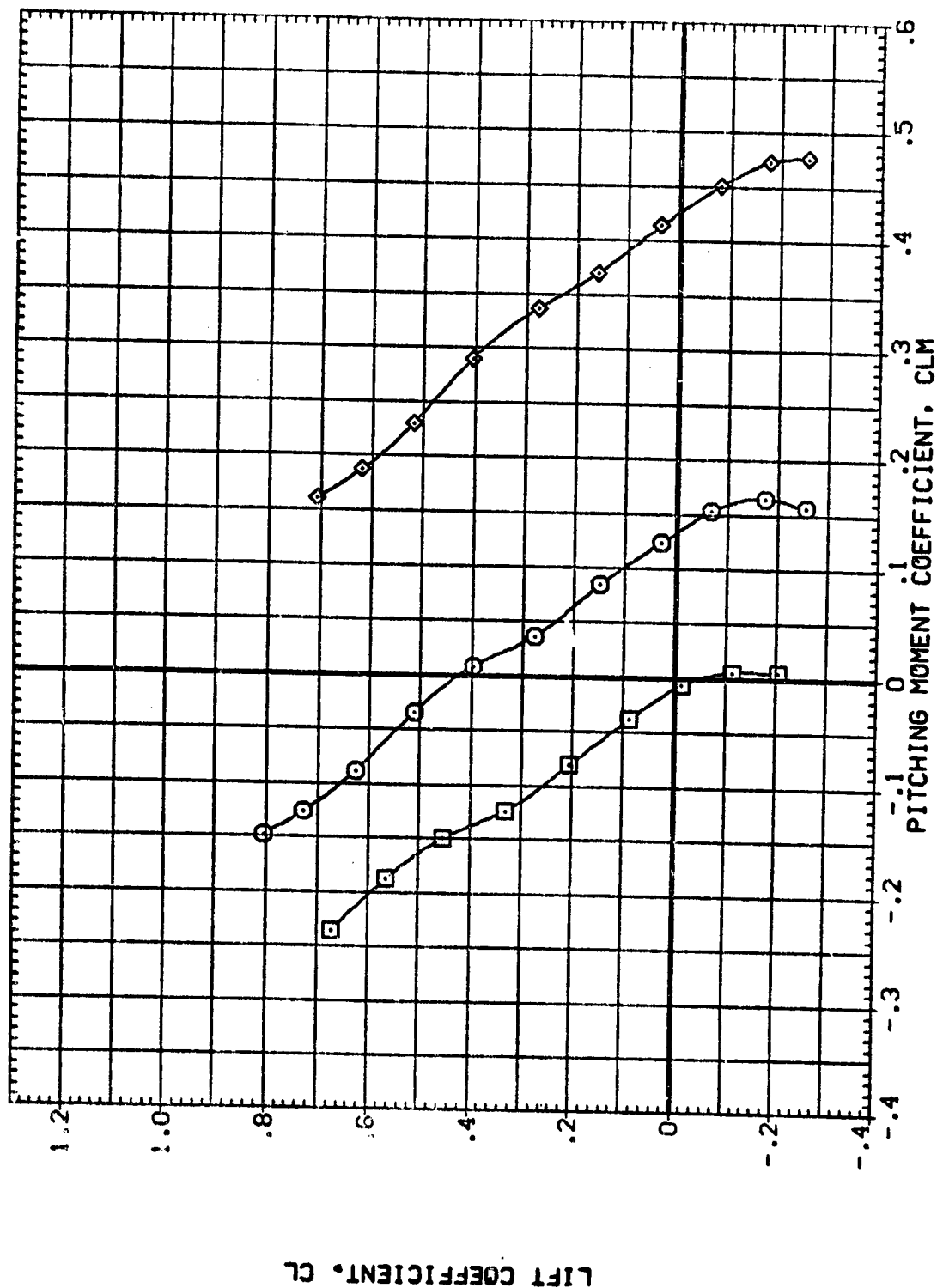


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 60.0 DEG.  
(M)MACH = 1.40

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZAG115) V5 B2 T  
(ZAG124) V5 B2 T  
(ZAG125) V5 B2 T

AIL-L AIL-R HORIZT  
.000 .000 .000  
.000 .000 2.500  
.000 .000 -5.000

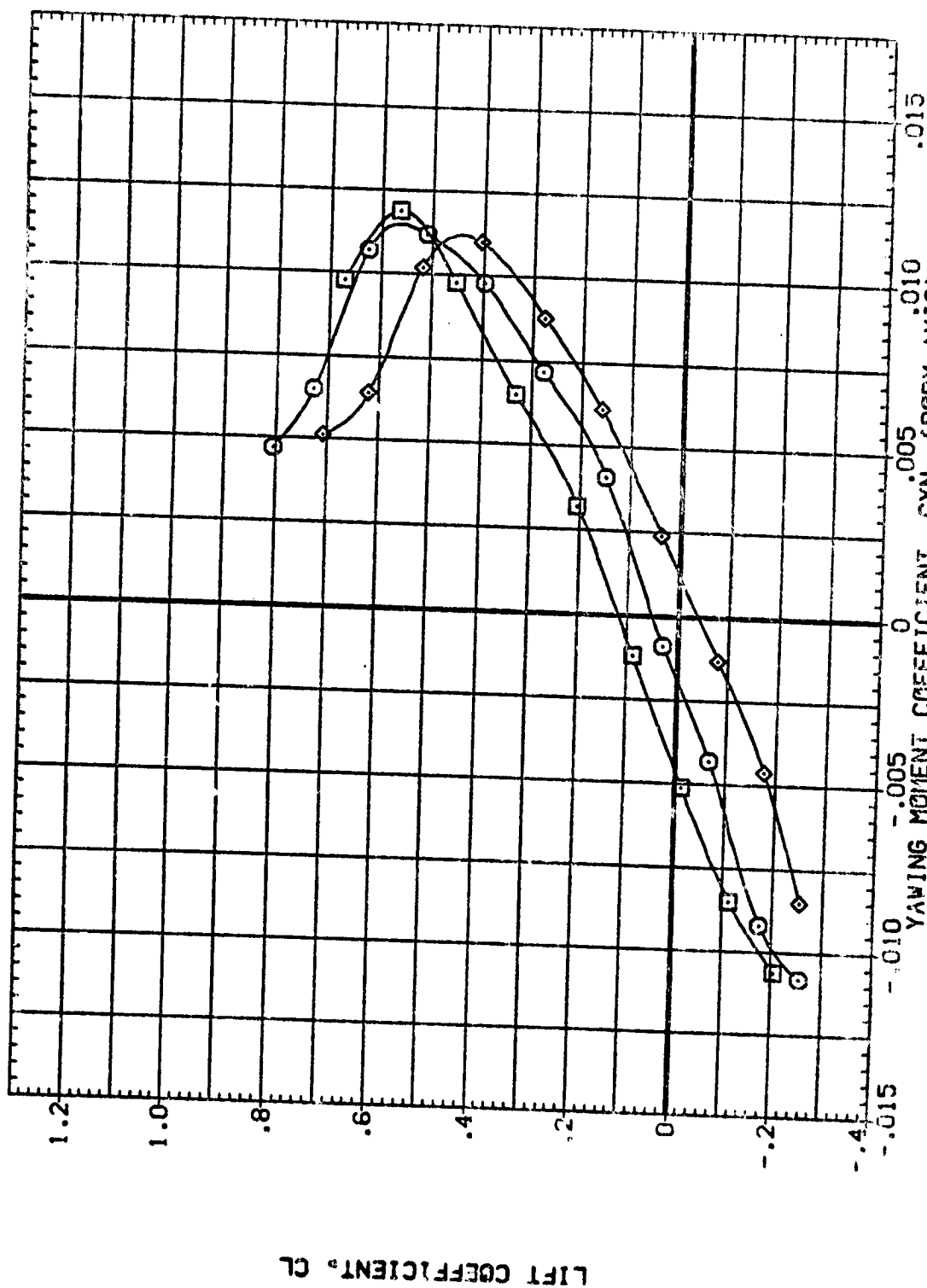


FIG. 6 AERO. CHARACTERISTICS IN PITCH, EFFECT OF TAIL DEFLECT., SWEEP = 80.0 DEG.  
(H)MACH = 1.40